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15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.



CHRONOLOGICAL INDEX
OF
PATENTS APPLIED FOR AND PATENTS
GRANTED,
For the Year 1866.

Printed and Published by Order of the Commissioners of Patents

UNDER THE

ACT of 15 & 16 VICTORIÆ, Cap. 83. Sec. XXXII.

BY BENNET WOODCROFT,

CLERK OF THE COMMISSIONERS OF PATENTS.

LONDON:

PRINTED BY GEORGE EDWARD EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

PUBLISHED AT THE OFFICE OF THE COMMISSIONERS
OF PATENTS FOR INVENTIONS,
SOUTHAMPTON BUILDINGS, HOLBORN.

1867.

[Price 7s.]

CHRONOLOGICAL INDEX

OF

PATENTS APPLIED FOR AND PATENTS GRANTED.

BULLOUGH. ROSSETTER. 1st January 1866.	1. JOHN BULLOUGH, and WILLIAM ROSSETTER, of Accrington, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
CROXALL. 1st January, 1866.	2. JOSEPH BOONHAM CROXALL, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in ventilators and mirrors for hats and other coverings for the head." <i>Provisional protection only.</i>
THOMPSON. 1st January, 1866.	3. NATHAN THOMPSON, of 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in the manufacture of stoppers for bottles and other articles, and in machinery employed in such manufacture." <i>Letters Patent sealed.</i>
LÖHREN. 1st January 1866.	4. MARTIN LÖHREN, of Frankfort on the Main, in Germany, Merchant, for an invention for—"A new or improved material or composition of materials suitable as a substitute for leather in various applications."—<i>A communication to him from Philipp Wenzell, a person resident at the "Rhein Allee," Mainz-on-the-Rhine, in the Grand Duchy of Hesse Darmstadt (Germany).</i> <i>Provisional protection only.</i>
PRIDEAUX. 1st January 1866.	5. THOMAS PRIDEAUX, of Sheffield, in the County of York, Hotel Keeper, for an invention for—"Improvements in furnaces." <i>Letters Patent sealed.</i>
BARNINGHAM. 1st January 1866.	6. WILLIAM BARNINGHAM, of the Pendleton Iron Works, near the City of Manchester, and of the Albert Hill Iron Works, Darlington, in the County of Durham, Engineer and Iron Manufacturer, for an invention for—"Improvements in machinery and apparatus for charging blast and other furnaces." <i>Letters Patent sealed.</i>
ASHDOWN. 1st January 1866.	7. JOHN ASHDOWN, of No. 7, Westminster Chambers, Victoria Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in apparatus for manœuvring and steering ships."—<i>A communication to him from abroad by George Banks, of the Island of Ascension, Surgeon.</i> <i>Provisional protection only.</i>
SCHWARTZ. 1st January 1866.	8. CHARLES SCHWARTZ, of Philadelphia, in the United States of America, for an invention for—"An instrument for cutting and cleaning finger nails." <i>Letters Patent sealed.</i>
NORRIE. 1st January 1866.	9. WILLIAM HYND NORRIE, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in finishing textile fabrics and in the machinery or apparatus connected therewith." <i>Provisional protection only.</i>
MONTAGU. 1st January 1866.	10. MONTAGUE MONTAGU, of 26, Brondesbury Villas, Kilburn, in the County of Middlesex, for an invention for—"Improvements in the manufacture of hats and other coverings for the head." <i>Provisional protection only.</i>
TAYLER. HARRY. DOOLEY. 1st January 1866.	11. CALEB TAYLER, WILLIAM DYER HARRY, and JOHN DOOLEY, all of the Kamptulicon Works, Deptford Green, in the County of Kent, for an invention for—"Improvements in the manufacture of kamptulicon and similar fabrics." <i>Provisional protection only.</i>

- BRUFF.
2nd January 1866.
12. PETER SCHUYLER BRUFF, of Ipswich, in the County of Suffolk, for an invention for—"Improvements in fastenings for the permanent way of railways."
Letters Patent sealed.
- FAWCETT.
WILSON.
2nd January 1866.
13. THOMAS CONSTANTINE FAWCETT, and HENRY WILSON, both of Leeds, in the County of York, Tool and Machine Makers, for an invention for—"Improved means or apparatus for lifting and lowering weights."
Provisional protection only.
- STAUFEN,
2nd January 1866.
14. WERNER STAUFEN, of 2, Devonshire Terrace, Fulham Road, Brompton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment and application of vegetable fibres."
Provisional protection only.
- BROOMAN.
2nd January 1866.
15. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved extensible apparatus for the passage of gases and fluids especially adapted for gasaliers."—*A communication to him from abroad by Edmond Robin and Henry Robin, of Paris, France.*
Provisional protection only.
- YOUNG.
YOUNG.
2nd January 1866.
16. ARTHUR YOUNG, and WILLIAM YOUNG, both of 119, Gower Street, in the County of Middlesex, for an invention for—"Improvements in type distributing and composing machines."
Letters Patent sealed.
- HIRSCH.
3rd January 1866.
17. HERMANN HIRSCH, Civil Engineer, of 24, Rue du Mont Thabor, Paris, in the Empire of France, for an invention for—"Improvements in screw propellers."
Letters Patent sealed.
- BONNEVILLE.
3rd January 1866.
18. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for sowing grain or seed and performing certain other operations connected therewith."—*A communication from Alfred Jean Baptiste Bruillon and Pedro Martinez Lopez, persons residing at Passy, near Paris, in the Empire of France, aforesaid.*
Provisional protection only.
- PILLING.
SCAIFE.
3rd January 1866.
19. JAMES PILLING, and ROBERT SCAIFE, both of Colne, in the County of Lancaster, Overlookers, for an invention for—"Improvements in machinery or apparatus for preparing and spinning cotton and other fibrous materials."
Letters Patent sealed.
- SHEPPARD,
3rd January 1866.
20. GEORGE SHEPPARD, of Bury Farm, Marchwood, in the County of Southampton, for an invention for—"Improvements in rollers for rolling or crushing land."
Provisional protection only.
- SIMONS.
3rd January 1866.
21. WILLIAM SIMONS, of the Town and County of Renfrew, North Britain, Engineer and Shipbuilder, for an invention for—"Improvements in the conveying of materials, and in the apparatus employed therefor."
Provisional protection only.
- BUCKLEY.
3rd January 1866.
22. WILLIAM BUCKLEY, of Tankersley, in the County of York, Mechanic, for an invention for—"Improvements in signalling apparatus for colliery and other purposes."
Letters Patent sealed.
- STARBUCK.
SELLARS.
3rd January 1866.
23. GEORGE STARBUCK, of Birkenhead, in the County of Chester, Oil Merchant, and JOHN CARRINGTON SELLARS, of the same place, Manufacturing Chemist, for an invention for—"Improvements in cement for making good the joints in oil stills and retorts, and joints exposed to medium or high temperatures."
Provisional protection not granted.
- ROBERTSON.
3rd January 1866.
24. GEORGE SINCLAIR ROBERTSON, of Liverpool, for an invention for—"Improvements in the manufacture of telegraph standards, fencing posts and signal posts."
Letters Patent sealed.
- BLACKBURN.
3rd January 1866.
25. BEWICKE BLACKBURN, of York Buildings, Adelphi, in the City of Westminster, Gentleman, for an invention for—"Improvements applicable to furnaces or fireplaces for the purpose of more effectually and economically consuming the fuel therein."
Letters Patent sealed.
- NEWTON.
3rd January 1866.
26. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the preparation of pigments."—*A communication to him from abroad by Stuart Gwynn, of the City of New York, in the United States of America.*
Letters Patent sealed.

MACNEILL. 4th January 1866.	27. THOMAS TELFORD MACNEILL, of No. 23, Cockspur Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus for producing and employing motive-power." <i>Provisional protection only.</i>
WILLAN. 4th January 1866.	28. ROBERT WILLAN, of Blackburn, in the County of Lancaster, Machinist, for an invention for—"Improvements in power looms." <i>Provisional protection only.</i>
HISCOCKS. 4th January 1866.	29. JAMES HISCOCKS, of Chicks Grove Mills, Tisbury, in the County of Wilts, Miller, for an invention for—"Improvements in the combustion of fuel and in the furnaces and apparatus employed therein." <i>Provisional protection only.</i>
VICKERS. 4th January 1866.	30. THOMAS EDWARD VICKERS, of Sheffield, in the County of York, Steel Manufacturer, for an invention for—"Improvements in machinery for rolling hoops or tyres for wheels or other purposes." <i>Letters Patent sealed.</i>
NEWTON. 4th January 1866.	31. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in distillation."— <i>A communication to him from abroad by Orazio Lugo, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 4th January 1866.	32. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of augers, and in the tools or instruments to be used in such manufacture."— <i>A communication to him from abroad by Russell Jennings, of Deep River, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
TOWERS. 4th January 1866.	33. WILLIAM HENRY TOWERS, of the City, County and State of New York, in the United States of America, for an invention for—"An improved method or process of curing and tanning hides or skins." <i>Complete specification: Letters Patent sealed.</i>
WRIGHT. 4th January 1866.	34. FRANCIS WRIGHT, of 38, High Street, Kensington, in the County of Middlesex, Chemist, for an invention for—"A new preparation of fruit beverages of a stimulating character." <i>Letters Patent sealed.</i>
CLARK. 4th January 1866.	35. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in preparing and treating wood and wood pulp for the manufacture of paper."— <i>A communication to him from abroad by Jean Baptiste Neyret, Zéphirin Gaspard Alexandre Nathan Petrone Orioli, and Amable Alfred Fredet, Manufacturers of Paper Pulp, all of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
MOORE. MOORE. LUND. 5th January 1866.	36. JOHN MOORE, HENRY MOORE, and GEORGE LUND, of Burnley, in the County of Lancaster, Cotton Spinners and Manufacturers, for an invention for—"Improvements in looms for weaving." <i>Provisional protection NOT granted.</i>
JACKSON. JACKSON. 5th January 1866.	37. JOHN JACKSON, of Sudden Brow, near Rochdale, in the County of Lancaster, and SAMUEL JACKSON, of Heywood, in the same County, Corn Millers, for an invention for—"Improvements in mills for grinding corn and other grain." <i>Provisional protection only.</i>
SYMONS. SYMONS. 5th January 1866.	38. WILLIAM JOHN SYMONS, of No. 131, St. James Road, Holloway, in the County of Middlesex, and NATHANIEL AUGUSTUS TOYER SYMONS, of 16, Coburg Place, Upper Kennington Lane, in the County of Surrey, for an invention for—"Improvements in smiths' forges and furnaces for smelting and puddling iron, steel and other metals." <i>Provisional protection only.</i>
RONALD. 5th January 1866.	39. JAMES RONALD, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in or applicable to machinery for combing, dressing and disintegrating hemp, flax, wool, cotton and other fibres and fibrous materials." <i>Letters Patent sealed.</i>
TAYLOR. 5th January 1866.	40. ELIAS TAYLOR, of Hartford Villa, in the Parish of Patcham, in the County of Sussex, for an invention for—"Making building bricks impervious to water or waterproof." <i>Letters Patent sealed.</i>
WHEELER. 5th January 1866.	41. JOHN FRANCIS WHEELER, of Ryde, Isle of Wight, for an invention for—"An improved apparatus for warming feet." <i>Provisional protection only.</i>
WALKER. 5th January 1866.	42. EDMUND WALKER, of London Street, in the City of London, Manufacturer, for an invention for—"Improvements in windlasses." <i>Letters Patent sealed.</i>

CUNNINGHAM. 5th January 1866.	43. HENRY DUNCAN PRESTON CUNNINGHAM, of Bury, in the County of Hants, Esquire, for an invention for—"Improvements in working and in the service of guns, with fittings thereof, and in gun carriages." <i>Letters Patent sealed.</i>
WINTER. 5th January 1866.	44. WILLIAM WINTER, of Leeds, in the County of York, Sewing Machine Maker and General Machinist, for an invention for—"Improvements in certain movable parts of locomotive, stationary and marine engines." <i>Letters Patent sealed; no specification filed.</i>
NEWTON. 5th January 1866.	45. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for feeding steam-boilers."— <i>A communication to him from abroad by Joseph Napoleon Bonaparte Bond and William Ritchie, both of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
AMES. 6th January 1866.	46. HORATIO AMES, of Falls village, in the State of Connecticut, in the United States of America, at present residing at Morley's Hotel, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in ordnance." <i>Letters Patent sealed.</i>
CLARK. 6th January 1866.	47. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in bridges."— <i>A communication to him from abroad by Rembrandt Lockwood, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
TOLHAUSEN. 6th January 1866.	48. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, Patent Agent, for an invention for—"Improvements in locks."— <i>A communication to him from Frederic Rudolph Vollschwitz, Manufacturer, John James Schlaepfer, Merchant, and Charles Frederic Rauchfuss, Merchant, three persons resident in the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BEATTIE. 6th January 1866.	49. WILLIAM GEORGE BEATTIE, of South Bank, Surbiton, in the County of Surrey, Engineer, for an invention for—"An improved apparatus for lubricating purposes." <i>Letters Patent sealed.</i>
DE MESNIL. 6th January 1866.	50. BARON OSCAR DE MESNIL, of Brussels, in the Kingdom of Belgium, for an invention for—"Improvements in towing boats on rivers or canals, a part of which improvements is also applicable to the traction of vehicles on rail or tramways, or common roads." <i>Provisional protection only.</i>
COLLINS. 6th January 1866.	51. HENRY HALEY COLLINS, of 58, London Wall, in the City of London, for an invention for—"Improvements in printing presses known as copper-plate presses." <i>Provisional protection only.</i>
SAGAR. KEIGHLEY. CLEGG. RICHMOND. 8th January 1866.	52. THOMAS SAGAR, Machine Maker, GEORGE KEIGHLEY, Machine Maker, JOSEPH CLEGG, Weaver, and THOMAS RICHMOND, Manufacturer, all of Burnley, in the County of Lancaster, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection only.</i>
CLANCHY. 8th January 1866.	53. TIMOTHY JOSEPH CLANCHY, of the Cathedral Club, Cathedral Hotel, Manchester, for an invention for—"An improvement in collars for the neck." <i>Provisional protection only.</i>
ROYS. 8th January 1866.	54. THOMAS WELCOME ROYS, of the City of New York, in the United States of America, but at present residing at 44, Castle Street, Liverpool, in the County of Lancaster, Master Mariner, for an invention for—"Improvements applicable to the hoisting or lifting tackle for recovering sunken whales or other submerged bodies." <i>Letters Patent sealed.</i>
KERRIDGE. PEVERETT. 8th January 1866.	55. JAMES KERRIDGE, and WILLIAM PEVERETT, both of Leiston Works, near Saxmundham, in the County of Suffolk, Machinists, for an invention for—"Improved machinery for assorting grain and seeds." <i>Letters Patent sealed; no specification filed.</i>
GIBB. 8th January 1866.	56. ARCHIBALD GIBB, of Maryhill, in the County of Lanark, North Britain, Iron Founder, for an invention for—"Improvements in machinery or apparatus for the construction or making of moulds for casting in metals." <i>Letters Patent sealed.</i>

HODGES. 8th January 1866.	57. JAMES HODGES, of Penny Hill, Bagshot, in the County of Surrey, for an invention for—"Improvements in machinery used for raising and treating peat or bog earth or soil." <i>Letters Patent sealed.</i>
PENRICE. 8th January 1866.	58. HERBERT NEWTON PENRICE, of Witton House, near Norwich, for an invention for—"Improvements in machinery employed in forming tunnels and galleries in rocks." <i>Letters Patent sealed.</i>
MOORE. RICHMOND. 9th January 1866.	59. HENRY MOORE, and THOMAS RICHMOND, of Burnley, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
WISE. 9th January 1866.	60. FRANCIS WISE, of the Office for Patents, Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, for an invention for—"Improvements in flasks, bottles, and other similar receptacles."— <i>A communication to him from abroad by William Thomas Fry, of Philadelphia, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>
GUINNESS. 9th January 1866.	61. WILLIAM STUART GUINNESS, of 42, Cheapside, in the City of London, for an invention for—"Improvements in sewing machines." <i>Provisional protection only.</i>
PERRÉ. 9th January 1866.	62. EDMUND PERRÉ, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in the method of obtaining motive power, and in apparatus connected therewith." <i>Provisional protection only.</i>
BRADFORD. 9th January 1866.	63. THOMAS BRADFORD, of Fleet Street, in the City of London, Manufacturer, for an invention for—"Improvements in machines for washing, scouring, and Starching." <i>Letters Patent sealed.</i>
BROOMAN. 9th January 1866.	64. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for washing or scouring and wringing textile fabrics and threads."— <i>A communication to him from abroad by Jules Degrelle, of Paris, France.</i> <i>Provisional protection only.</i>
JOHNSON. 9th January 1866.	65. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"A new or improved detergent to be used in the washing or cleansing of wool."— <i>A communication to him from abroad by Charles Dyonise Reinfeld, of Paris, in the Empire of France, Chevalier of the order of Saints Maurice and Lazare.</i> <i>Complete Specification; Letters Patent sealed.</i>
SKINNER. 9th January 1866.	66. JAMES SKINNER, of Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved mode of preparing albumenized paper and the process connected therewith." <i>Provisional protection only.</i>
MACRUM. 9th January 1866.	67. JAMES MARIUS MACRUM, of 36, Hill Street, Knightsbridge, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breaks for railway and tramway carriages."— <i>A communication to him from abroad by John Davis, of the City and County of Allegheny, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
GRIMSHAW. 9th January 1866.	68. WILLIAM DAKIN GRIMSHAW, of Birmingham, in the County of Warwick, Engineer, for an invention for—"An improved wrench and cutter." <i>Provisional protection only.</i>
ANDERSON. 9th January 1866.	69. WILLIAM ANDERSON, of Erith Iron Works, in the County of Kent, Civil Engineer, for an invention for—"Improvements in the mode of, and apparatus for extracting liquor from macerated fibres employed in the manufacture of paper." <i>Provisional protection only.</i>
MACRUM. 9th January 1866.	70. JAMES MARIUS MACRUM, of Hill Street, Knightsbridge, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the apparatus and process of distilling oils and other liquids."— <i>A communication to him from abroad by James Johnston and John Davis, both of Allegheny City, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
TURNER. COUGHIN. 9th January 1866.	71. WILLIAM ALLEN TURNER, of Clarges Street, Gentleman, and THOMAS TOWNSEND COUGHIN, of Burdett Road, Limehouse, Engineer, both in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus worked by water for raising, lifting, lowering, and drawing goods of every description." <i>Provisional protection only.</i>

- HUTCHINSON.
9th January 1866.
72. HIRAM HUTCHINSON, residing at No. 1, Rue Hauteville, Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in the manufacture of fabrics suitable for covering furniture, for carpets, window curtains, linings for carriages, and for other like purposes."—*A communication from Thomas Allen Jenckes, a person residing at Rhode Island, United States of America.*
Complete Specification ; Letters Patent sealed.
- LEIGHTON.
9th January 1866.
73. ALFRED LEIGHTON, of 9, Buckingham Street, Strand, in the County of Middlesex, for an invention for—"Improvements in printing and in apparatus employed therein."
Letters Patent sealed.
- SADLER.
10th January 1866.
74. JOHN SADLER, of Birmingham, in the County of Warwick, Hinge Manufacturer, for an invention for—"An improved nail and brad cutting machine."
Provisional protection only.
- CLUNAN.
NIGHTINGALE.
10th January 1866.
75. JAMES CLUNAN, of Bolton, in the County of Lancaster, Leather Seller, and NOAH NIGHTINGALE, of the same place, Engineer, for an invention for—"Certain Improvements in machinery or apparatus for cutting, shaving, thinning, and grinding skins, hides, or pelts, in a tanned, dressed, or partly dressed state."
Letters Patent sealed.
- SHAW.
10th January 1866.
76. ROBERT SHAW, of Blantyre, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for regulating temperature, for recording temperature, and for actuating timekeepers."
Provisional protection only.
- SAMPSON.
SAMPSON.
SAMPSON.
LOCKWOOD.
10th January 1866.
77. JOSEPH SAMPSON, CHARLES SAMPSON, HENRY SAMPSON, and AMOS LOCKWOOD, all of Bradford, in the County of York, Stuff Finishers, for an invention for—"Improvements in apparatus for effecting the folding or rigging and the papering of woven fabrics."
Provisional protection only.
- IRELAND.
DAVIES.
10th January 1866.
78. JONATHAN IRELAND, of the City of Manchester, in the County of Lancaster, and SAMUEL DAVIES, of Hollinwood, in the said County, for an invention for—"An improved turntable and weighing machine combined."
Letters Patent sealed.
- TURNER.
10th January 1866.
79. CHARLES TURNER, of the Town and County of Southampton, Civil Engineer, for an invention for—"Improvements in apparatus for brushing the hair of man and animals."
Provisional protection NOT granted.
- WILSON.
10th January 1866.
80. EDWARD BROWN WILSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in furnaces."
Provisional protection only.
- NEWTON.
10th January 1866.
81. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in shears or scissors."—*A communication to him from abroad by Richard March Hoe, of the City of New York, in the United States of America.*
Letters Patent sealed.
- CLUTTON.
10th January 1866.
82. JOHN CLUTTON, of Serjeants Inn, Fleet Street, in the City of London, Gentleman, for an invention for—"Improvements in wedges, keys or quoins for securing the rails of railways in their chairs."—*A communication to him from abroad by Theodore Despiou, of Toulouse, in the Empire of France.*
Letters Patent sealed.
- BROOMAN.
10th January 1866.
83. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in the manufacture and purification of lamp black and in apparatus employed therein."—*A communication to him from abroad by Benoit Perra, of Petit Vanves, France.*
Provisional protection only.
- BROOMAN.
10th January 1866.
84. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in bleaching vegetable and animal fibres and tissues."—*A communication to him from abroad by Charles Raphael Maréchal and Cyprien Marie Tessié du Motay, both of Metz, France.*
Letters Patent sealed.
- BROOMAN.
10th January 1866.
85. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved method of producing oxygen."—*A communication to him from abroad by Charles Raphael Maréchal and Cyprien Marie Tessié du Motay, both of Metz, France.*
Letters Patent sealed.

CHETWYND. 10th January 1866.	86. GEORGE CHETWYND, of Glenmohr Terrace, [Blackheath, in the County of Kent, Gentleman, for an invention for—"Improvements in the treatment of copper and nickel ores."— <i>A communication to him from abroad by Viscount Charles de Secqueville, Mining Engineer, of Milan, in Italy.</i> <i>Provisional protection only.</i>
PAPENGOUTH. 10th January 1866.	87. CHRISTOPHER OSWALD PAPENGOUTH, of No. 46, Russell Square, in the County of Middlesex, for an invention for—"Improvements in constructing ships and vessels." <i>Letters Patent sealed.</i>
GRAY. 10th January 1866.	88. JOSEPH WACE GRAY, of 19, St. Dunstan's Hill, in the City of London, for an invention for—"Improvements in the manufacture of rice starch." <i>Letters Patent sealed.</i>
BAINES. 10th January 1866.	89. WILLIAM BAINES, of London Works, Soho, Smethwick, in the County of Stafford, for an invention for—"Improvements in the manufacture of telegraphic and signal pillars or posts." <i>Provisional protection only.</i>
DEAN. 11th January 1866.	90. HENRY DEAN, of Wood End, near Fareham, in the County of Southampton, Surveyor, for an invention for—"Improvements in 'plotting' and 'computing' scales for the use of surveyors and engineers." <i>Letters Patent sealed.</i>
BATCHELOR. REDDALL. 11th January 1866.	91. PERCIVAL ASHTON BATCHELOR, of No. 34, Upper Berkeley Street, Portman Square, W., Engineer, and FREDERICK REDDALL, of No. 81, Bride Street, Westbourne Road, Barnsbury, N., Accountant, for an invention for—"Improvements in the construction, arrangement and application of retorts and settings in combination with machinery or apparatus for the manufacture of coal or other gases." <i>Provisional protection only.</i>
BLAKELY. VAVASSEUR. 11th January 1866.	92. THEOPHILUS ALEXANDER BLAKELY, of Park Lane, in the County of Middlesex, late Captain in the Royal Artillery, and JOSIAH VAVASSEUR, of Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in projectiles for breech-loading rifles." <i>Letters Patent sealed.</i>
ANGUS. STUART. 11th January 1866.	93. JOSEPH COOK ANGUS, and GEORGE STUART, both of Newcastle-on-Tyne, in the County of Northumberland, Engineers, for an invention for—"Improvements in apparatus for drawing off and measuring liquids." <i>Letters Patent sealed.</i>
BARTHOLOMEW. 11th January 1866.	94. CHARLES BARTHOLOMEW, of Doncaster, in the County of York, for an invention for—"Improvements in apparatus used in getting coal." <i>Letters Patent sealed.</i>
MATHERS. 11th January 1866.	95. ROBERT MATHERS, of Leeds, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of toothed wheels for gearing shafts, axles and spindles." <i>Letters Patent sealed.</i>
RUDLING. 11th January 1866.	96. WILLIAM ATKINS RUDLING, of 50, Canton Street, Poplar, in the County of Middlesex, for an invention for—"Improvements in apparatus to be used for protecting property from fire and thieves." <i>Provisional protection only.</i>
CRUMP. 11th January 1866.	97. CHARLES CRUMP, of Yealmpton, in the County of Devon, for an invention for—"Improvements in the preparation of tetra-chloride of carbon." <i>Letters Patent sealed.</i>
HALL. 11th January 1866.	98. DENNIS HALL, of Wharton, near Winsford, Cheshire, for an invention for—"Certain improvements in the construction of furnaces." <i>Provisional protection only.</i>
EASSIE. 12th January 1866.	99. WILLIAM EASSIE, of Great George Street, Westminster, S.W., Engineer, for an invention for—"Improvements in pile shoes." <i>Provisional protection only.</i>
KING. 12th January 1866.	100. FREDERICK JOHN KING, of 140, Leadenhall Street, in the City of London, Manufacturer, for an invention for—"Improvements in preserving potatoes." <i>Letters Patent sealed.</i>
SUTTON. 12th January 1866.	101. FRANCIS SUTTON, of Norwich, in the County of Norfolk, for an invention for—"Improvements in the treatment of sewage and urine in order to recover the manurial constituents therefrom." <i>Provisional protection only.</i>
WALSH. 12th January 1866.	102. WILLIAM JOHN WALSH, of Brentwood, in the County of Essex, for an invention for—"Improvements in cocks, taps and valves." <i>Letters Patent sealed.</i>

- SMITH.
12th January 1866. 103. JOSIAH TIMMIS SMITH, of Barrow-in-Furness, in the County of Lancaster, Engineer, for an invention for—"Improvements in moulds for casting the tyres of railway wheels and other annular and cylindrical articles."
Provisional protection only.
- HART.
12th January 1866. 104. ALFRED HENRY HART, of Gresham Street, in the City of London, Manufacturer, for an invention for—"Improvements in the manufacture of fasteners for binding papers and for other like purposes, and in machinery to be used in the said manufacture."
Letters Patent sealed.
- WOODBURY.
DAVIES.
12th January 1866. 105. WALTER BENTLEY WOODBURY, of Worcester Park, in the County of Surrey, Gentleman, and GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, Patent Agent, for an invention for—"An improved method of and apparatus for finishing impressions (in colored gelatine or other soluble material) obtained from metallic or other plates produced by the aid of photography."
Letters Patent sealed.
- CHARON.
12th January 1866. 106. PIERRE LOUIS CHARON, of Selwood Terrace, Brompton, in the County of Middlesex, for an invention for—"Improved apparatus for cooking potatoes."
Letters Patent sealed.
- SUTHERLAND.
SUTHERLAND.
12th January 1866. 107. EDWARD SUTHERLAND, Capt., of No. 22, Wilson Street, Stepney, and HORATIO SUTHERLAND, of No. 88, Cotton Street, Limehouse, for an invention for—"Improvements in obtaining fibre suitable for spinning and other uses, by the use of a plant not hitherto employed for this purpose."—*A communication to them from abroad by Signor Joseph Vanzina (d'Etienne), residing at Lesa, Lago Maggiore, in the Kingdom of Italy.*
Provisional protection only.
- NAPIER.
12th January 1866. 108. JAMES MURDOCH NAPIER, of York Road, Lambeth, in the County of Surrey, for an invention for—"Improvements in weighing machines and in apparatus for reducing to weight, part of which improvements are applicable for feeding blanks to coining presses and to other machines."
Letters Patent sealed.
- SUTTON.
12th January 1866. 109. ROBERT TWISS SUTTON, of the City of Rochester, in the State of New York, being one of the United States of America, for an invention for—"Improvements in drying and cleaning grain, and in apparatus to be used for these purposes."
Letters Patent sealed.
- THOMPSON.
13th January 1866. 110. JOHN CALVIN THOMPSON, of 14, Burney Street, Greenwich, in the County of Kent, for an invention for—"Improvements in means or apparatus employed in the combustion of gas, in gas stoves and burners employed in heating and cooking."
Letters Patent sealed.
- COMERY.
WEBSTER.
13th January 1866. 111. WILLIAM COMERY, of Sneinton, in the County of Nottingham, Framsmith and Setter-up, and HENRY WEBSTER, also of Sneinton, in the said County of Nottingham, Brazier and Ironmonger, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of looped or knitted fabrics."
Letters Patent sealed.
- DUFRENÉ.
13th January 1866. 112. HECTOR AUGUSTE DUFRENÉ, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"An improved machine for pressing bricks."—*A communication from Monsieur Louis Thelohan, a person resident at Redon, Ille et Vilaine, France.*
Letters Patent sealed.
- LAKE.
13th January 1866. 113. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in lamps."—*A communication to him from abroad by Anson Henry Platt, of the City of Philadelphia, United States of America, Physician.*
Letters Patent sealed.
- LAKE.
13th January 1866. 114. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"The use and application of paper, printed or otherwise ornamented with water colours, for covering floors and other analogous purposes, as a substitute for carpets and oil-cloths, and of an improved coating or varnish to be applied to the same to protect its surface from injury and wear."—*A communication to him from abroad by Anson Henry Platt, of the City of Philadelphia, United States of America, Physician.*
Letters Patent sealed.

WHEELER. 13th January 1866.	115. NORMAN WILLIS WHEELER of Brooklyn, in the County of Kings, State of New York, and United States of America, for an invention for—"Improvements in means or apparatus for condensing steam and other vapors, and for refrigerating fluids." <i>Complete specification; Letters Patent sealed.</i>
TYLER. 13th January 1866.	116. CHARLES NEWELL TYLER, of Buffalo, in the State of New York, in the United States of America, for an invention for—"Improvements in lamps for burning kerosene or volatile oils or other hydro-carbon fluids." <i>Complete specification; Letters Patent sealed.</i>
BAKER. 13th January 1866.	117. CHARLES STUART BAKER, of Fleet Street, in the City of London, for an invention for—"Improvements in harvesting machines, known as reaping machines, mowing machines, and combined reaping and mowing machines."— <i>A communication to him from abroad by Sewell Gillam, of the City of New York, in the United States of America, Engineer.</i> <i>Provisional protection only.</i>
GADD. MOORE. 13th January 1866.	118. WILLIAM GADD, of Stratford Square, Nottingham, and JOHN MOORE, of Manchester, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
BROOMAN. 13th January 1866.	119. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improvement in spring tops." <i>A communication to him from abroad by Hippolyte Huriaux, and Lucien Faille, both of Paris, France.</i> <i>Letters Patent sealed.</i>
SMITH. 13th January 1866.	120. HENRY FRANCIS SMITH, of Manchester, in the County of Lancaster, India-rubber and Gutta-percha Manufacturer, for an invention for—"Certain improvements in the manufacture of beds or mattresses to be employed on shipboard, or in similar articles to be used as supports in water." <i>Letters Patent sealed.</i>
TODD. 13th January 1866.	121. BRERETON TODD, of 4, Victoria Terrace, Newcastle-on-Tyne, for an invention for—"Improvements in the manufacture of arsenic." <i>Letters Patent sealed.</i>
JOHNSON. 13th January 1866.	122. CUTHBERT GREENWOOD JOHNSON, of Stockton, in the County of Durham, Iron Master, for an invention for—"Improvements in machinery for making bricks, tiles and similar articles." <i>Letters Patent sealed.</i>
GOTTHEIMER. 13th January 1866.	123. HENRY GOTTHEIMER, of Hampstead Road, in the County of Middlesex, for an invention for—"Improvements in protectors for watches, portemonnaies, and pocket books." <i>Letters Patent sealed.</i>
PRINCE. 13th January 1866.	124. ALEXANDER PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the means of preserving timber from decay."— <i>A communication to him from abroad by George Palmer Ball, resident at New York, United States of America.</i> <i>Provisional protection only.</i>
HARRIS. 15th January 1866.	125. JAMES HARRIS, of Birmingham, in the County of Warwick, Whitesmith, for an invention for—"Improved portable appliances for horses' feet in frosty weather, to supersede the necessity for what is termed 'roughing' the shoes." <i>Provisional protection only.</i>
HAMILTON. 15th January 1866.	126. JOHN HAMILTON, of Tretigan, in the County of Argyle, North Britain, for an invention for—"Improvements in propelling ships, vessels, and boats, and in the apparatus connected therewith." <i>Provisional protection only.</i>
COMFIELD. 15th January 1866.	127. THOMAS COMFIELD, the younger, of Clifford House, Buckhurst Hill, in the Parish of Chigwell, in the County of Essex, Gentleman, for an invention for—"Stopping and preventing slip from wet rails of locomotives and railway trains, and stopping carriages generally, and equalising force without flywheels." <i>Provisional protection not granted.</i>
IRWIN. 15th January 1866.	128. JOHN IRWIN, of Mark Lane, in the City of London, Accountant, for an invention for—"Improvements in railway signals." <i>Provisional protection only.</i>
HOLDCROFT. WOOD. 15th January 1866.	129. WILLIAM HOLDCROFT, and JOSIAH WOOD, of the George Street Pottery, Tunstall, in the County of Stafford, Manufacturers, for an invention for—"Improved self-acting jiggers, lathes, and wheels for potters' use and other purposes." <i>Provisional protection only.</i>
HOOKE. 15th January 1866.	130. JOHN HOOKE, of Walton-on-Thames, in the County of Surrey, for an invention for—"Improvements in the manufacture of ammoniacal and ammoniated soap." <i>Letters Patent sealed.</i>

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| <p>CAMPBELL.
BURGESS.
15th January 1866.</p> <p>JOHNSON.
15th January 1866.</p> <p>WHITE.
15th January 1866.</p> <p>BROOMAN.
15th January 1866.</p> <p>NEWTON.
15th January 1866.</p> <p>NEWTON.
15th January 1866.</p> <p>BOXER.
15th January 1866.</p> <p>LECOCQ.
15th January 1866.</p> <p>MORIARTY.
15th January 1866.</p> <p>ROECKNER.
15th January 1866.</p> <p>MUIR.
McILWHAM.
16th January 1866.</p> <p>BOTTOM.
BOTTOM.
16th January 1866.</p> <p>SAMWELLS.
NYE.
16th January 1866.</p> <p>KLOTZ.
16th January 1866.</p> | <p>131. FREDERICK CAMPBELL, of 34, Duke Street, St. James, in the County of Middlesex, and WILLIAM BURGESS, of Newgate Street, in the City of London, for an invention for—"Improvements in apparatus to be employed in treating and curing the tea leaf."
<i>Letters Patent sealed.</i></p> <p>132. ALBERT FRANCIS JOHNSON, of the State of Massachusetts, of the United States of America, for an invention for—"Improvements in machinery for sewing."
<i>Complete Specification ; Letters Patent sealed.</i></p> <p>133. GEORGE WHITE, of 68, Queen Street, Cheapside, in the City of London, Patent Agent, for an invention for—"Improvements in gas-burners."—<i>A communication to him from abroad by Mr. Ferdinand Kùp, of Frankfort-on-the-Main.</i>
<i>Provisional protection only.</i></p> <p>134. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in circular frames for the manufacture of looped fabrics."—<i>A communication to him from abroad by Emile Lecœur, of Passy, France.</i>
<i>Letters Patent sealed.</i></p> <p>135. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements applicable to water-closets and commode pans."—<i>A communication to him from abroad by Ernest Mangeon, of Boulevard Beaumarchais, Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>136. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of electric clocks."—<i>A communication to him from abroad by Max Levin, of Berlin, in the Kingdom of Prussia.</i>
<i>Letters Patent sealed.</i></p> <p>137. EDWARD MOUNIER BOXER, of the Royal Arsenal, Woolwich, in the County of Kent, for an invention for—"Improvements in cartridges for breech-loading fire-arms and ordnance."
<i>Letters Patent sealed.</i></p> <p>138. DON FRANCISCO LECOCQ, of Montevideo, South America, at present residing at Ludgate Hill, in the City of London, for an invention for—"Improvements in the means or method of preserving in a fresh condition animal and vegetable substances, and in the apparatus to be employed therein."
<i>Letters Patent sealed.</i></p> <p>139. CORNELIUS MORIARTY, of Nelson Street, Greenwich, in the County of Kent, for an invention for—"Improvements in the construction of tube brushes used in cleaning the tubes of marine, locomotive, and all kinds of multitubular boilers."
<i>Letters Patent sealed.</i></p> <p>140. CARL HEINRICH ROECKNER, of Hurstbourne Paper Mill, near Whitechurch, in the County of Hampshire, for an invention for—"Improved machinery or apparatus for the manufacture of paper pulp."
<i>Letters Patent sealed.</i></p> <p>141. MATTHEW ANDREW MUIR, and JAMES McILWHAM, of Glasgow, in the County of Lanark, North Britain, Machinist, for an invention for—"Improvements in winding apparatus."
<i>Letters Patent sealed.</i></p> <p>142. JOHN BOTTOM, of Number 40, Meadow Street, Sheffield, and WILLIAM BOTTOM, of Number 2, Occupation Road, Sheffield, both of the County of York, for an invention for—"The manufacture and application of scales and handles suitable for knives and other articles of cutlery, from substances not hitherto employed for that purpose."
<i>Provisional protection only.</i></p> <p>143. JOHN SAMWELLS, of Dunstable, in the County of Bedford, and SAMUEL NYE, of the same place, for an invention for—"A new method of and apparatus for washing straw and other plaits and other substances, and for domestic washing purposes."
<i>Letters Patent sealed.</i></p> <p>144. MARC KLOTZ, of 24, Rue du Mont Thabor, Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in toy arms and projectiles."
<i>Complete Specification ; Protection for six months only.</i></p> |
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DUMMERE. 16th January 1866.	145. STEPHEN DUMMERE, of Windsor Road, Ealing, in the County of Middlesex, and formerly of Kent Lodge, Hampstead, for an invention for—"Improvements in mattresses and palliasses and seating for use in nurseries and hospitals and by invalids, and for omnibus or any other seating exposed to wet by weather or otherwise." <i>Provisional protection only.</i>
MELLOR. 16th January 1866.	146. GEORGE MELLOR, of the City of York, Mechanical Engineer, for an invention for—"Improvements in machinery for the manufacture of nails and spikes." <i>Provisional protection only.</i>
MANN. 16th January 1866.	147. WILLIAM CHARLES MANN, of Leeds, in the County of York, Cap Manufacturer, for an invention for—"An improved method of making felt hats." <i>Letters Patent sealed.</i>
CHERRY. CROSSLEY. BOWER. 16th January 1866.	148. RICHARD CHERRY, Engineer, EDWIN CROSSLEY, and WILLIAM BOWER, Boiler Makers, all of Hallifax, in the County of York, for an invention for—"Improvements in the construction of steam-boilers, which improvements are also applicable to the construction of other vessels of a like character." <i>Letters Patent sealed.</i>
LYNE. 16th January 1866.	149. WILLIAM LYNE, Steward of Wellington College, Sandhurst, in the County of Berks, for an invention for—"Improvements in apparatus for preventing accidents on railways." <i>Letters Patent sealed.</i>
STEPHENS. 16th January 1866.	150. JAMES STEPHENS, of Northampton Road, in the County of Middlesex, Metal Worker, for an invention for—"Improvements in the construction of articles usually termed blowers, being plates or curtains applied to enclose stove fronts, and in the means of affixing the same." <i>Letters Patent sealed.</i>
HENRY. 16th January 1866.	151. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in printing woven fabrics and other materials or substances."— <i>A communication to him from abroad by Antoine Alexander Palaz, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Provisional protection only.</i>
AGER. 17th January 1866.	152. WILSON AGER, of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Engineer, for an invention for—"Improvements in revolving breech-loading guns." <i>Letters Patent sealed.</i>
ALLIES. 17th January 1866.	153. MATTHEW ALLIES, Norfolk Road, Islington, N., in the County of Middlesex, for an invention for—"An improved holder or fastener for shirt studs, brooches, and other personal ornaments." <i>Letters Patent sealed.</i>
PRESTON. 17th January 1866.	154. FRANCIS PRESTON, of the Lancashire Steel Company, Limited, near the City of Manchester, Engineer, for an invention for—"Improvements in machinery and apparatus used in the manufacture of steel and iron." <i>Provisional protection only.</i>
CRONDACE. FIELD. 17th January 1866.	155. CHRISTOPHER JOHN CRONDACE, of Potter House, Kimblesworth, in the County of Durham, Colliery Agent, and JOHN FIELD, of Framwellgate Colliery, in the same County, Brick Manufacturer, for an invention for—"Improvements in machinery or apparatus for manufacturing and pressing fire bricks, which machinery or apparatus is also applicable to the manufacture and pressing of common clay and other bricks." <i>Letters Patent sealed.</i>
KENNEDY. STANLEY. 17th January 1866.	156. JOSEPH KENNEDY, Maker-up, and RICHARD STANLEY, Tailor, both of Hulme, in the City of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in railway breaks." <i>Provisional protection only.</i>
ALLEN. 17th January 1866.	157. THOMAS ALLEN, of Clifton, Bristol, Ironmonger, for an invention for—"An improvement in the manufacture of iron and other metallic bedsteads, by the application of wooden laths instead of sacking or iron or lath bottoms." <i>Letters Patent sealed.</i>
BANFILL. 17th January 1866.	158. JOHN BANFILL, of No. 4, Frederick's Place, Westmoreland Road, Walworth Common, in the County of Surrey, Brazier, for an invention for—"An improved coal scuttle." <i>Letters Patent sealed.</i>
WYLD. KERSHAW. 17th January 1866.	159. JOHN WYLD and JOHN KERSHAW, of Burnley, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for warping and making leashes in warps for tape sizing machines." <i>Letters Patent sealed.</i>

FEATHER. FEATHER. LUTY. 17th January 1866.	160. EDMUND FEATHER, THOMAS FEATHER, and JOHN LUTY, of Oxenhope, near Keighley, in the County of York, Worsted Spinners, for an invention for—"Improved means of lubricating the spindles of cap and cup frames employed in spinning and twisting fibrous substances, applicable also for lubricating other frictional surfaces of machinery." <i>Letters Patent sealed.</i>
COTTAM. 17th January 1866.	161. EDWARD COTTAM, of Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in hydraulic presses." <i>Provisional protection only.</i>
ANDERSON. 17th January 1866.	162. MARK FRENCH ANDERSON, of 20, Much Park Street, Coventry, Physician, for an invention for—"Improvements in refining sugar." <i>Provisional protection only.</i>
NORTON. BÜNGER. 17th January 1866.	163. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, and FREDERIC LUDOVICUS HENRI WILLIAM BÜNGER, of No. 17, Southampton Buildings, Chancery Lane, for an invention for—"Improvements in apparatus for discharging the water resulting from condensed steam, from apparatus where steam is employed." <i>Provisional protection only.</i>
ABENHEIM. ABENHEIM. ABENHEIM. 17th January 1866.	164. HENRY ABENHEIM, EMIL ABENHEIM, and LEOPOLD ABENHEIM, all of Red Lion Square, in the County of Middlesex, Merchants, for an invention for—"An improved construction of watch or time-keeper for watchmen."— <i>A communication to them from abroad by Johannes Bürk, of Schwenningen, in the Kingdom of Wurtemberg.</i> <i>Provisional protection only.</i>
VARLEY. VARLEY. 18th January 1866.	165. CORNELIUS VARLEY, of 337, Kentish Town Road, in the County of Middlesex, and SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, in the said County of Middlesex, Telegraph Engineers and Contractors, for an invention for—"Improvements in electric telegraph apparatus, parts of the invention being applicable to other purposes." <i>Provisional protection only.</i>
ADAMSON. 18th January 1866.	166. DANIEL ADAMSON, of the Newton Moor Iron Works, Hyde, near the City of Manchester, Engineer, for an invention for—"Improvements in vertical steam-boilers for marine and other purposes." <i>Letters Patent sealed.</i>
ASHWORTH. 18th January 1866.	167. HENRY ASHWORTH, of Walsden, near Todmorden, in the County of Lancaster, Spinner and Manufacturer, for an invention for—"Improvements in lubricating certain frictional surfaces in steam-engines." <i>Provisional protection only.</i>
SPENCER. 18th January 1866.	168. GEORGE SPENCER, of No. 6, Cannon Street West, London, Civil Engineer, for an invention for—"Improvements in vulcanized india-rubber springs for use in railway and other engines, carriages and trucks, and for other purposes." <i>Letters Patent sealed.</i>
HIBBERT. 18th January 1866.	169. WILLIAM HIBBERT, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in the combination of chemical matters, and mechanical apparatus applied therewith, for the prevention or cure of contagious and other diseases to which human beings and animals are subject." <i>Letters Patent sealed.</i>
WILLIAMS. 18th January 1866.	170. JAMES WILLIAMS, of Great Sanghall School, near the City of Chester, for an invention for—"Improved sheets, plates or apparatus to facilitate improvement in handwriting." <i>Provisional protection only.</i>
COLE. 18th January 1866.	171. FREDERICK COLE, of High Street, Marylebone, in the County of Middlesex, Licensed Victualler, for an invention for—"Improvements in lithographic presses." <i>Letters Patent sealed.</i>
SUMNER. 19th January 1866.	172. WILLIAM SUMNER, of the City of Manchester, Engineer, for an invention for—"Improvements in machinery and apparatus employed in casting metal tubes and other articles." <i>Letters Patent sealed.</i>
NICHOLSON. 19th January 1866.	173. JOSEPH ALFRED NICHOLSON, of No. 3, Adelaide Place, London Bridge, in the City of London, Ship Owner, for an invention for—"An improved method of protecting the contact surfaces of vessels, utensils and articles of domestic use, and their supports." <i>Letters Patent sealed.</i>
BENNETT. 19th January 1866.	174. ALFRED BENNETT, of Birmingham, in the County of Warwick, Roasting Jack Manufacturer, for an invention for—"A new or improved instrument or apparatus for giving motion to hand and other fans." <i>Letters Patent sealed.</i>

SHEKLETON. GIBSON. 19th January 1866.	175. JAMES SHEKLETON, of Dundalk, Ireland, and JOHN WILLIAM GIBSON, of Dundalk, Ireland, for an invention for—"Improvements in pumping engines for feeding and forcing fluids." <i>Letters Patent sealed.</i>
LANGDALE. 19th January 1866.	176. SAMPSON LANGDALE, of Newcastle-upon-Tyne, Chemical and Artificial Manure Manufacturer, for an invention for—"Improvements in the manufacture of feeding cake for cattle." <i>Provisional protection not granted.</i>
CLARK. 19th January 1866.	177. RICHARD CLARK, of Cannon Farm, Pinner, in the County of Middlesex, for an invention for—"Improvements in steam-engine boilers." <i>Provisional protection only.</i>
NEWTON. 19th January 1866.	178. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for spinning yarn."— <i>A communication to him from abroad by Carl Schneichel, of Burtscheid, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
JACKSON. 19th January 1866.	179. MICHAEL JACKSON, of Curtain Road, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of umbrellas." <i>Provisional protection only.</i>
PARSONS. 19th January 1866.	180. WILLIAM PARSONS, of Toronto Terrace, Brighton, in the County of Sussex, for an invention for—"Improvements in rack pulleys for roller blinds for windows." <i>Provisional protection only.</i>
CLARK. 19th January 1866.	181. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means and apparatus for obtaining and applying motive-power."— <i>A communication to him from abroad by Alexandre Bobrownicki, Engineer, of 20, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
KAULBACH. 20th January 1866.	182. REINHOLD EDWARD KAULBACH, of No. 9, Grove Road, St. John's Wood, in the County of Middlesex, Gentleman, for an invention for—"The improvement of the wheels of carriages, waggons, trucks, and other rolling stock in use on railways, excepting those of breaks and locomotive engines, whereby the traction power of the latter is relatively greatly increased." <i>Provisional protection only.</i>
DEAN. WHEELER. 20th January 1866.	183. HENRY DEAN, of Wood End, near Fareham, in the County of Southampton, Surveyor, and GEORGE ALFRED WHEELER, of the same place, Surveyor, for an invention for—"An improvement in pen-holders, consisting of an arrangement for supplying the pen with ink." <i>Provisional protection only.</i>
TANNER. PARKES. 20th January 1866.	184. GEORGE TANNER, and GEORGE PARKES, both of Lambeth, in the County of Surrey, Theatrical Performers, for an invention for—"A new or improved apparatus or device for producing theatrical or stage illusions." <i>Letters Patent sealed.</i>
BÜNGER. 20th January 1866.	185. WILLIAM BÜNGER, of 17, Southampton Buildings, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in gas burners."— <i>A communication to him from abroad by Julius Bronner, of Frankfort-on-the-Maine, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
BOUSFIELD. 20th January 1866.	186. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machines for graining in imitation of wood and marble."— <i>A communication to him from abroad by Robert Adams, a person resident at Chicago, State of Illinois, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
McCLENAHAN. 20th January 1866.	187. JAMES McCLENAHAN, of Hopeton Street, Belfast, Schoolmaster, for an invention for—"Improvements in studs and buttons." <i>Letters Patent sealed.</i>
NEWTON. 20th January 1866.	188. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for pressing and ironing hat bodies."— <i>A communication to him from abroad by Nicholas Bunning Hooper, of Newark, in the State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>

GEDGE. 20th January 1866.	189. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improved preparations of the plant known as the coca, to permit its incorporation with confectionery of all kinds, syrups and liqueurs, and its use for dyeing."— <i>A communication to him from abroad by Félix Boutellas-Desmoulins, of 15, Passage des Petites Ecuries, Paris, France, Gentleman. Letters Patent sealed.</i>
GEDGE. 20th January 1866.	190. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved construction of careening basin or graving dock."— <i>A communication to him from abroad by Léonard Goursseau, junior, of No. 15, Passage des Petites Ecuries, Paris, France, Merchant. Letters Patent sealed.</i>
MINEUR. 20th January 1866.	191. ADOLPHE FRANÇOIS MINEUR, of Treguier, in the Empire of France, Manufacturer, for an invention for—"A new or improved description of manure." <i>Letters Patent sealed.</i>
SHILLCOCK. 20th January 1866.	192. JOSEPH BRADLEY SHILLCOCK, of Bromley, in the County of Kent, Pharmaceutical Chemist, for an invention for—"A perforated cage for leech vases." <i>Letters Patent sealed.</i>
BRYSON. 20th January 1866.	193. ALEXANDER BRYSON, of the City of Edinburgh, Watch Maker, for an invention for—"Improvements in apparatus for catching fish." <i>Letters Patent sealed.</i>
HALL. 20th January 1866.	194. WILLIAM KING HALL, of Sheerness, in the County of Kent, Captain in the Royal Navy, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
HUTTON. 20th January 1866.	195. THOMAS HUTTON, of Derby Bank, Cashier, for an invention for—"Improvements in submarine telegraph cables, and in submerging and raising submarine telegraph cables." <i>Provisional protection only.</i>
THOMAS. 20th January 1866.	196. WILLIAM THOMAS, the younger, of Dudley, in the County of Worcester, Accountant Clerk, for an invention for—"Improvements in machinery for making moulds for casting metals." <i>Provisional protection only.</i>
ALLEN. 22nd January 1866.	197. SAMUEL FINTON ALLEN, of Chicago, in the State of Illinois, in the United States of America, for an invention for—"Improvements in feed water heaters for locomotives." <i>Letters Patent sealed.</i>
ORFORD. 22nd January 1866.	198. CHARLES WYATT ORFORD, of Lifford, King's Norton, Worcestershire, Engineer and Architect, for an invention for—"A new or improved force pump and garden engine." <i>Letters Patent sealed.</i>
BROADFOOT. 22nd January 1866.	199. JOHN BROADFOOT, of Glasgow, in the County of Lanark, North Britain, Plumber and Brass Founder, for an invention for—"Improvements in waterclosets." <i>Provisional protection only.</i>
PENNEY. 22nd January 1866.	200. CHARLES GREGORY PENNEY, of Greenwich, in the County of Kent, for an invention for—"Improvements in the treatment and utilization of certain waste products resulting from the combustion of boghead, cannel, and other coals and minerals, and from the treatment of china clay and other analogous substances." <i>Provisional protection only.</i>
DEARDEN. HOLDEN. 22nd January 1866.	201. JONATHAN DEARDEN, and EDWARD PILKINGTON HOLDEN, both of Bolton, in the County of Lancaster, Cotton Waste Spinners and Dealers, for an invention for—"Certain improvements in carding-engines." <i>Letters Patent sealed.</i>
JEFFRIES. 22nd January 1866.	202. WILLIAM JEFFRIES, of West Bromwich, in the County of Stafford, Manager of Iron Works, for an invention for—"Improvements in puddling furnaces and heating furnaces, and other reverberatory furnaces used in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
ROWATT. 22nd January 1866.	203. THOMAS ROWATT, the younger, of the firm of Thomas Rowatt and Son, of Edinburgh and London, Lamp Manufacturers, for an invention for—"Improvements in lamps for burning paraffin, petroleum, belmontine and other hydro-carbon oils, without the use of a glass chimney." <i>Letters Patent sealed.</i>

JOHNSON. 22nd January 1866.	204. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in reaping-machines, parts of which improvements are also applicable to mowing-machines."— <i>A communication to him from abroad by Edouard François Fossey, of Paris, in the Empire of France, Engineer.</i> <i>Provisional protection only.</i>
BUTCHART. 22nd January 1866.	205. JAMES RITCHIE BUTCHART, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in packing bottles and in the construction of hampers to be used therefor." <i>Provisional protection only.</i>
JAY. 22nd January 1866.	206. WILLIAM CHICKALL JAY, of Regent Street, in the County of Middlesex, for an invention for—"Improvements in ladies' dresses." <i>Provisional protection only.</i>
JONES. UPTON. 22nd January 1866.	207. DAVID JONES, Engineer, and JOHN UPTON, both of Commercial Road, in the County of Middlesex, for an invention for—"Improvements in bolts for doors and other purposes." <i>Provisional protection only.</i>
BENNITT. MATTHEWS. 22nd January 1866.	208. PYNSON WILMOT BENNITT, of Oldbury, in the County of Worcester, Iron Master, and JOSEPH MATTHEWS, of the same place, Manager, for an invention for—"An improvement or improvements in heating furnaces for smelting, puddling, melting and annealing metals, or for the manufacture of glass." <i>Provisional protection only.</i>
WOODRUFF. 22nd January 1866.	209. GEORGE BALDWIN WOODRUFF, of Cheapside, in the City of London, Mechanical Engineer, for an invention for—"Improvements in the construction of sewing-machines." <i>Letters Patent sealed.</i>
STRINGER. BIRCH. 22nd January 1866.	210. JOHN STRINGER, of Kidderminster, in the County of Worcester, Color Maker, and GEORGE BIRCH, of Halifax, in the County of York, Mechanic, for an invention for—"Improvements in printing yarns." <i>Letters Patent sealed.</i>
WALKER. PFLAUM. 22nd January 1866.	211. BENJAMIN WALKER, and JOHN FREDERICK AUGUSTUS PFLAUM, both Engineers, of Leeds, in the County of York, for an invention for—"Improvements in travelling cranes." <i>Letters Patent sealed.</i>
HARRINGTON. 22nd January 1866.	212. HENRY HARRINGTON, of Highbury New Park, in the County of Middlesex, Ship Constructor, for an invention for—"Improvements in propellers for propelling ships." <i>Provisional protection not granted.</i>
AMIES. 23rd January 1866.	213. NATHANIEL JONES AMIES, of Manchester, in the County of Lancaster, Smallware Manufacturer, for an invention for—"Certain improvements in the construction of cotton balls." <i>Provisional protection only.</i>
GEDGE. 23rd January 1866.	214. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved generator for steam-engines."— <i>A communication to him from abroad by Louis François Désiré Dufour, of Libermont (Oise), France, Gentleman.</i> <i>Provisional protection only.</i>
BAKER. 23rd January 1866.	215. THOMAS BAKER, of Station Road, Forest Gate, in the County of Essex, Builder, for an invention for—"Improvements in sash fastenings, which improvements are also applicable to other purposes." <i>Provisional protection only.</i>
DARE. 23rd January 1866.	216. JOSEPH DARE, junr., B.A., of No. 8, Burton Street, Burton Crescent, in the County of Middlesex, for an invention for—"Improvements in pyrotechnics." <i>Provisional protection not granted.</i>
BORE. 23rd January 1866.	217. RICHARD HENRY BORE, of No. 55, Globe Road, Mile End, in the County of Middlesex, for an invention for—"An improved siphon for drawing off liquids." <i>Provisional protection only.</i>
PRIDEAUX. 23rd January 1866.	218. THOMAS PRIDEAUX, of Sheffield, in the County of York, Hotel Keeper, for an invention for—"An improved mode of heating water for the supply of boilers and for other purposes." <i>Letters Patent sealed.</i>
HEALEY. 23rd January 1866.	219. CHARLES EDWARD HEALEY CHADWYCK HEALEY, of 163, Strand, London, for an invention for—"Improvements in closing the hatchways or deck openings of ships, and side ports or openings in the same." <i>Provisional protection only.</i>

BROOKES. 23rd January 1866.	220. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in the mode of producing mechanical motion."— <i>A communication to him from abroad by Henry Smith, of Salem, in the County of Essex, and State of Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>
HODGKINSON. 23rd January 1866.	221. WILLIAM HODGKINSON, of New Lenton, near Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture of fabrics in bobbin net or twist lace machinery, and in the means or apparatus employed therein." <i>Letters Patent sealed.</i>
WIBRATTE. 23rd January 1866.	222. FRANÇOIS WIBRATTE, of 29, Boulevard St. Martin, Paris (France), Proprietor, for an invention for—"A new or improved vehicle for carrying the electric wires in submarine telegraphs." <i>Provisional protection only.</i>
CLARK. 23rd January 1866.	223. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in machinery for the manufacture of paper bags."— <i>A communication to him from abroad by Benjamin Spencer Binney, of Somerville, Middlesex County, State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
MORELAND. 23rd January 1866.	224. RICHARD MORELAND, junior, of 3, Old Street, in the County of Middlesex, for an invention for—"Improvements in the construction of fireproof floors for buildings." <i>Provisional protection only.</i>
BENSEN. 23rd January 1866.	225. GERD JACOB BENSEN, of Christian Street, St. George's-in-the-East, Sugar Refiner, for an invention for—"Improvements in the manufacture of beet-root sugar." <i>Letters Patent sealed.</i>
HOWARD. BOUSFIELD. 23rd January 1866.	226. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, in the County of Bedford, for an invention for—"Improvements in the construction of steam-boilers." <i>Letters Patent sealed.</i>
HOPKINS. 23rd January 1866.	227. EVAN HOPKINS, of Clarendon Gardens, Maida Hill, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of correcting the deviation of compasses in iron ships, and of constructing ships' compasses." <i>Letters Patent sealed.</i>
SILVESTER. 23rd January 1866.	228. MARK SILVESTER, of Gilbert Road, Kennington Lane, in the County of Surrey, Engineer, for an invention for—"An improved compound for removing and preventing incrustation in steam-boilers." <i>Letters Patent sealed.</i>
EVANS. 24th January 1866.	229. JAMES WILLIAM EVANS, of No. 38, Norfolk Street, Strand, for an invention for—"Improvements in the construction of metallic cases or shells for the reception of spiral springs and elastic substances, for railway carriages and waggons and other vehicles." <i>Letters Patent sealed.</i>
DORE. TAPLEY. CORDWELL. 24th January 1866.	230. WILLIAM DORE, JOHN TAPLEY, and JOSEPH CORDWELL, all of Ardwick, Manchester, in the County of Lancaster, Mechanics, for an invention for—"Certain improvements in machinery or apparatus to be employed in preparing cotton and other fibrous substances for spinning." <i>Provisional protection only.</i>
LISHMAN. CHAMBERS. 24th January 1866.	231. MATTHEW HODGSON LISHMAN, and EDWARD CHAMBERS, both of Stockton-on-Tees, in the County of Durham, Engineers, for an invention for—"Improvements in cases or apparatus for drying moulds." <i>Letters Patent sealed.</i>
HALL. 24th January 1866.	232. WILLIAM KING HALL, of Sheerness, in the County of Kent, Captain in the Royal Navy, for an invention for—"Improvements in the construction of boats." <i>Provisional protection only.</i>
TURNERY. TURNERY. 24th January 1866.	233. EDWARD TURNERY, and JOHN TURNERY, of the Trent Bridge Works, Sneinton, in the County of Nottingham, carrying on business as Leather Dressers, under the firm of "Turney, Brothers," for an invention for—"Improvements in preparing and treating hides and skins in the manufacture of leather." <i>Letters Patent sealed.</i>
LORD. LANCASTER. BENNETT. 24th January 1866.	234. DAVID LORD, THOMAS LANCASTER, and ROBINSON BENNETT, all of Great Horton, near Bradford, in the County of York, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>

WATT. 24th January 1866.	235. JOHN MILNE WATT, of Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved composition for coating materials and structures." <i>Provisional protection only.</i>
BOUSFIELD. 24th January 1866.	236. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by Henry Benninger, Jacques Benninger and Ulrick Benninger, persons resident at Niedrutzwyl, Canton of St. Gall, Switzerland.</i> <i>Complete specification; Letters Patent sealed.</i>
MARTIN. VARLEY. VARLEY. 24th January 1866.	237. SAMUEL MANLEY MARTIN, of Harrow-on-the-Hill, in the County of Middlesex, SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, and FREDERICK HENRY VARLEY, of 337, Kentish Town Road, both in the County of Middlesex, Telegraph Engineers, for an invention for—"Improvements in electric telegraph apparatus." <i>Provisional protection only.</i>
HINCHLIFFE. 24th January 1866.	238. GEORGE HINCHLIFFE, of Halifax, in the County of York, for an invention for—"A machine for 'saving' or covering the lists or edges of fabrics." <i>Letters Patent sealed.</i>
SWAN. 24th January 1866.	239. JOSEPH WILSON SWAN, of Gateshead, in the County of Durham, Chemist, for an invention for—"Improvements in the mode of and apparatus for printing from intaglio plates." <i>Letters Patent sealed.</i>
SPENCER. 24th January 1866.	240. THOMAS SPENCER, of Euston Square, in the County of Middlesex, Chemical Engineer, for an invention for—"Improvements in the preparation of soils to promote general vegetation, and to prevent insalubrious or unhealthy exhalations from manures placed thereon." <i>Letters Patent sealed.</i>
JONES. 24th January 1866.	241. JAMES JONES, of San Francisco, California, now of N° 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Mining Engineer, for an invention for—"Improvements in machinery for crushing and pulverizing ores and other hard substances." <i>Letters Patent sealed.</i>
CLARK. 24th January 1866.	242. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of artificial flowers, feathers and other articles, and in apparatus used for the same."— <i>A communication to him from abroad by Bernard Viellefon, Merchant, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
CLARK. 24th January 1866.	243. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in typographic printing apparatus."— <i>A communication to him from abroad by Alexandre Yves Gaveaux, Mechanician, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
PHILLIPS. 24th January 1866.	244. LODNER DARREVONTIS PHILLIPS, of the City and State of New York, in the United States of America, Civil Engineer, for an invention for—"A machine for making buttons from plastic materials, grinding, polishing and carding the same, parts of which can be used in grinding, polishing and carding other kinds of buttons." <i>Letters Patent sealed.</i>
SOUTTER. 25th January 1866.	245. JAMES SOUTTER, senior, Toy Merchant and Manufacturer, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in centres for supporting swinging mirrors." <i>Letters Patent sealed.</i>
PIDDINGTON. 25th January 1866.	246. JOHN PIDDINGTON, of Gracechurch Street, in the City of London, for an invention for—"Improvements in the manufacture of boots and shoes."— <i>A communication to him from abroad by George Barnes Windle, of 56, Maiden Lane, in the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
WINTER. 25th January 1866.	247. WILLIAM WINTER, of Leeds, in the County of York, Mechanist, for an invention for—"An improved feed motion for sewing-machines." <i>Provisional protection only.</i>
COOPER. DUTFIELD. GIBSON. 25th January 1866.	248. HENRY COOPER, and THOMAS DUTFIELD, both of Victoria Park, in the County of Middlesex, and ALEXANDER GIBSON, of the Borough of Southwark, in the County of Surrey, for an invention for—"Improvements in piano-fortes." <i>Provisional protection only.</i>

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| <p>DYSON.
25th January 1866.</p> <p>CASTREE.
25th January 1866.</p> <p>MARSHALL,
PRETTY.
25th January 1866.</p> <p>GARDNER.
25th January 1866.</p> <p>WISE.
25th January 1866.</p> <p>JONES.
UPTON.
25th January 1866.</p> <p>WADDELL.
25th January 1866.</p> <p>JOHNSON.
26th January 1866.</p> <p>ROUX.
26th January 1866.</p> <p>MONTCLAR.
26th January 1866.</p> <p>AMBROSE.
BRADDON.
26th January 1866.</p> <p>BARLOW.
26th January 1866.</p> <p>BOUSFIELD.
26th January 1866.</p> <p>BROOMAN.
26th January 1866.</p> | <p>249. GEORGE DYSON, of Lindley, near Huddersfield, in the County of York, Spinner, for an invention for—"An improved means of splicing or joining straps or driving belts for machinery."
<i>Letters Patent sealed.</i></p> <p>250. JOHN ALFRED CASTREE, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in looms for weaving."
<i>Letters Patent sealed.</i></p> <p>251. THOMAS MARSHALL, and HENRY COOPER PRETTY, of Cardigan Street, Leicester, for an invention for—"Improvements in finishing the soles and heels of boots and shoes, and in apparatus employed for such purposes."
<i>Letters Patent sealed.</i></p> <p>252. HENRY GARDNER, of Offord Road, Barnsbury, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for cleansing the bottoms of ships and other submerged structures."
<i>Provisional protection only.</i></p> <p>253. FRANCIS WISE, of the Office for Patents, Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, for an invention for—"Improvements in the boxes or bearings of axles of railway and other similar carriages, and in the method of or arrangements for lubricating such axles."—<i>A communication to him from abroad by Wilhelm Basson and Ferdinand Lüdecke, both of Berlin, in the Kingdom of Prussia.</i>
<i>Letters Patent sealed.</i></p> <p>254. DAVID JONES, Engineer, and JOHN UPTON, both of Commercial Road, in the County of Middlesex, for an invention for—"Improvements in window fastenings."
<i>Provisional protection only.</i></p> <p>255. PHILIP EDWARD WADDELL, of Edgbaston, near Birmingham, in the County of Warwick, for an invention for—"Certain new or improved means whereby passengers may signal or communicate with guards and engine drivers of railway trains, and also the occupants of the adjoining and other carriages forming railway trains."
<i>Provisional protection only.</i></p> <p>256. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of steam vessels."—<i>A communication to him from abroad by Henry Randall, of Philadelphia, Pennsylvania, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>257. FRANÇOIS LOUIS ROUX, of No. 27, Rue Laffitte, Paris in the Empire of France, Captain in the Imperial Navy and Officer of the Legion of Honour, for an invention for—"Improvements in the mode of and apparatus for applying copper sheathing to ships constructed of or plated with iron."
<i>Complete specification; Letters Patent sealed.</i></p> <p>258. JEAN MARIE ARMAND MONTCLAR, Engineer, of Java, but at present residing in Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of materials or compositions for decolorising or purifying saccharine or other liquids, and for making paint, blacking and foundry blackening, and in apparatus therefor."
<i>Letters Patent sealed.</i></p> <p>259. EDWARD AMBROSE, Gentleman, and WILLIAM BRADDON, Coal Merchant, both of Holloway, in the County of Middlesex, for an invention for—"Improvements in apparatus for lowering boats, part of which apparatus is applicable to other uses."
<i>Letters Patent sealed.</i></p> <p>260. WILLIAM HENRY BARLOW, of Great George Street, Westminster, for an invention for—"Improvements in the manufacture of railway bars."
<i>Letters Patent sealed.</i></p> <p>261. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in lamps for burning magnesium."—<i>A communication to him from abroad by Robert Henry Thurston, a person resident at the City and County of Providence, in the State of Rhode Island, United States of America.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>262. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in machinery for the manufacture of asphalted felt."—<i>A communication to him from abroad by Antoine d'Azambuja, of Paris, France.</i>
<i>Letters Patent sealed.</i></p> |
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JOHNSON. 26th January 1866.	263. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for lubricating purposes."— <i>A communication to him from abroad by Arthur Lewis Le Gallo, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
NEWTON. 26th January 1866.	264. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of treating fur, wool and hair."— <i>A communication to him from abroad by Alfred Clark Brush, of Darian, in the State of Connecticut, United States of America.</i> <i>Provisional protection only.</i>
SHERWOOD. 26th January 1866.	265. HENRY SHERWOOD, of Hatcham, in the County of Surrey, for an invention for—"Improvements in the means of and apparatus for treating mixed fibrous substances in order to obtain improved products therefrom, parts of which means and apparatus are also applicable to various useful purposes." <i>Letters Patent sealed.</i>
SPENCER. 27th January 1866.	266. JOHN SPENCER, of 14, Corn Market, Doncaster, in the County of York, for an invention for—"Improvements in machinery for rolling and clod crushing." <i>Letters Patent sealed.</i>
MENNONS. 27th January 1866.	267. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, No. 8, Southampton Buildings, in the County of Middlesex, and 27, Rue Laffitte, Paris, in the Empire of France, for an invention for—"Improvements in the mode of and apparatus for compressing air or æriform fluids for the generation of motive-power and other purposes."— <i>A communication from Nicolas de Telescheff, late Captain of Artillery, of the Russian Imperial Guard, a person resident at No. 23, Glouhoï Pereoulouk, St. Petersburg, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
JUSTICE. GUILD. 27th January 1866.	268. WILLIAM JUSTICE, and EDWARD GUILD, both of Dundee in the County of Forfar, North Britain, for an invention for—"Improvements in softening fibrous materials and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
DRANE. 27th January 1866.	269. THOMAS DRANE, of Cockermouth, in the County of Cumberland, Engineer, for an invention for—"Improvements in the manufacture of coke and in the apparatus connected therewith." <i>Provisional protection only.</i>
HOWDEN. 27th January 1866.	270. JAMES HOWDEN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the means of and apparatus for steering, manœuvring and propelling ships or vessels." <i>Letters Patent sealed.</i>
COOK. HACKING. 27th January 1866.	271. SAMUEL COOK, and WILLIAM HENRY HACKING, of Bury, in the County of Lancaster, Machinists, for an invention for—"Improvements in machinery or apparatus for sizing or preparing yarns or warps to be woven." <i>Letters Patent sealed.</i>
BROWN. 27th January 1866.	272. JOHN HARCOURT BROWN, of No. 1, Chancery Chambers, Quality Court, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of leather fabrics." <i>Letters Patent sealed.</i>
BROOMAN. 27th January 1866.	273. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in differential screw apparatus."— <i>A communication to him from abroad by François Durand and Paul Baudet, both of Paris, France.</i> <i>Provisional protection only.</i>
POCOCK. 27th January 1866.	274. WILLIAM WILLMER POCOCK, of Craven Street, in the City of Westminster, Architect, for an invention for—"Improvements in gas meters." <i>Letters Patent sealed.</i>
CHILDS. 27th January 1866.	275. AUGUST BRYANT CHILDS, of 481, New Oxford Street, in the County of Middlesex, for an invention for—"Improvements in machinery for crushing quartz, ores and other substances."— <i>A communication to him from abroad by Abraham Karnes, a person resident at Rochester, New York, United States of America.</i> <i>Letters Patent sealed.</i>
WILDE. 27th January 1866.	276. HORACE WILDE, of No. 8, Great Mitchell Street, City Road, in the City of London, and County of Middlesex, Gentleman, for an invention for—"New or improved means or apparatus for effecting communication between guards and passengers in railway carriages." <i>Provisional protection only.</i>

WITTE. 29th January 1866.	277. GERARD DE WITTE, of Brighton, in the County of Sussex, Esquire, for an invention for—"Improvements in the construction of breaks for carriages." <i>Provisional protection only.</i>
HERSEE. SMYTH. 29th January 1866.	278. WILLIAM HERSEE, and GEORGE SMYTH, both of Mitcham, in the County of Surrey, Floor Cloth Manufacturers, for an invention for—"Improvements in the manufacture of printed floor cloths, oil cloths, table covers and other similar fabrics." <i>Letters Patent sealed.</i>
ARTHUR. DAVIS. 29th January 1866.	279. ALFRED ARTHUR, of Brighton, in the County of Sussex, Civil Engineer, and BENJAMIN DAVIS, of the same place, Civil Engineer, for an invention for—"Improvements in hydraulic machinery." <i>Provisional protection only.</i>
FARMER. 29th January 1866.	280. BENJAMIN FARMER, of Barrow-in-Furness, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for washing, wringing and mangling textile and felted fabrics of all descriptions, also applicable to the washing of ores, gold and silver dust, and other metals, flocks, hair, tow and other similar materials." <i>Letters Patent sealed.</i>
ORR. 29th January 1866.	281. JOHN ORR, of Belfast, in the County of Antrim, Ireland, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
HARRIS. 29th January 1866.	282. WILLIAM RANDAL HARRIS, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in weavers' healds or heddles." <i>Letters Patent sealed.</i>
SNIDER. 29th January 1866.	283. JACOB SNIDER, junior, of Pennsylvania, in the United States of America, but now of Lamb's Conduit Street, London, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Provisional protection only.</i>
CHAPLIN. 29th January 1866.	284. ALEXANDER CHAPLIN, of Adam Street, Adelphi, in the County of Middlesex, and of Glasgow, North Britain, Engineer, for an invention for—"Improvements in locomotive engines designed for ascending steep inclines." <i>Letters Patent sealed.</i>
CLARK. 29th January 1866.	285. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved detachable or disengaging eye for launching boats from the sides of ships and for other purposes."— <i>A communication to him from abroad by Samuel Brown, and Leon Level, both of San Francisco, San Francisco County, California, United States of America.</i> <i>Letters Patent sealed.</i>
ROBERTSON. 29th January 1866.	286. JAMES ROBERTSON, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in machinery for cutting, excavating, sinking, dredging and cleaning water-courses, basins, channels, foundations and roadways, such improvements being also applicable to other similar purposes." <i>Letters Patent sealed.</i>
BERRIE. 30th January 1866.	287. JOHN BERRIE, of Manchester, in the County of Lancaster, Dyer and Manufacturer, for an invention for—"Certain improvements in the construction of railways." <i>Letters Patent sealed.</i>
DALHOFF. 30th January 1866.	288. JÖRGEN BALTHAZAR DALHOFF, of Copenhagen, in the Kingdom of Denmark, Goldsmith, for an invention for—"Improvements in the manufacture of files by means of machinery for smoothing and cutting them." <i>Letters Patent sealed.</i>
SHAW. 30th January 1866.	289. HENRY SHAW, of Stones End, Borough of Southwark, in the County of Surrey, Printer, for an invention for—"Improvements in the means and apparatus of communicating motion or power from the engine of a train to any part of the train." <i>Provisional protection NOT granted.</i>
LYCETT. 30th January 1866.	290. WILLIAM LYCETT, of Sandback, in the County of Chester, Gentleman, for an invention for—"Improvements in the manufacture of salt." <i>Provisional protection NOT granted.</i>
TONGUE. 30th January 1866.	291. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in obtaining motive-power either giving or not giving light."— <i>A communication to him from abroad by Edouard Patau, of Paris, in the Empire of France, a retired Captain in the French Navy.</i> <i>Provisional protection only.</i>

WETHERED. 30th January 1866.	292. EDWIN ROBERT WETHERED, of Belfast, in the County of Antrim, Gentleman, for an invention for—"Improvements in the construction of stands for basinettes or child's cots." <i>Letters Patent sealed.</i>
ARDREY. BECKETT. SMITH. 30th January 1866.	293. SAMUEL BRADLEY ARDREY, SAMUEL BECKETT, and WALTON SMITH, of Manchester, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in machinery or apparatus for grinding or glazing spindles for preparing and spinning machinery, and other spindles or shafts." <i>Letters Patent sealed.</i>
STERNE. 30th January 1866.	294. LOUIS STERNE, of Old Broad Street, in the City of London, Engineer, for an invention for—"Improvements in buffers, draw springs and bearing springs."— <i>The result partly of communications made to him from abroad by Edward Lindner, of Vienna, Austria, and partly of invention or discovery made by himself.</i> <i>Letters Patent sealed.</i>
SMITH. 30th January 1866.	295. ALFRED SMITH, of Hackney, in the County of Middlesex, Engineer, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
INGRAM. GOUGH. 30th January 1866.	296. JOHN INGRAM, of 3, Cleveland Villas, London Road, Clapton, Stationer, and JOHN GOUGH, of 66, King Street, Stepney, Engineer, for an invention for—"Improvements in apparatus for embossing in colours on paper, envelopes or other articles." <i>Letters Patent sealed.</i>
DOUGHTY. 30th January 1866.	297. CHARLES DOUGHTY, of the City of Lincoln, Merchant, for an invention for—"Improvements in apparatus for distilling the grease of cotton seed oil and other fatty matters." <i>Provisional protection only.</i>
STAUNTON. 30th January 1866.	298. CHARLES OCTAVIUS STAUNTON, of 3, Paulton Square, Chelsea, in the County of Middlesex, Gentleman, for an invention for—"Improvements in ordnance and carriages, and in elevating apparatus for the same." <i>Provisional protection only.</i>
LAKE. 31st January 1866.	299. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in revolving fire-arms."— <i>A communication to him from abroad by Charles Mason, of Iliom, New York, United States of America.</i> <i>Provisional protection only.</i>
LAKE. 31st January 1866.	300. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in working and treating india-rubber, gutta-percha and other similar gums."— <i>A communication to him from abroad by Frank Marquard, of Rahway, New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
DELAFIELD. 31st January 1866.	301. CLARENCE DELAFIELD, of Staten Island, in the County of Richmond, State of New York, United States of America, for an invention for—"Improvements in the manufacture of saltpetre and white lead." <i>Letters Patent sealed; specification filed by order.</i>
MILLER. PYLE. 31st January 1866.	302. JOHN MILLER, and JAMES PYLE, of Glasgow, in the County of Lanark, North Britain, Copper-smiths and Brassfounders, for an invention for—"Improvements in apparatus for cooling worts or other liquids." <i>Provisional protection only.</i>
CLAYTON. RAPER. GOULDING. HOWARTH. 31st January 1866.	303. ROBERT CLAYTON, Engineer, JAMES RAPER, and JOHN GOULDING, Machinists, and WILLIAM HOWARTH, Dentist, all of Bradford, in the County of York, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
DEFRIES. 31st January 1866.	304. COLEMAN DEFRIES, of the firm of Jonas Defries and Sons, of Houndsditch, in the City of London, Manufacturer, for an invention for—"Improved apparatus or means for securing the safety of persons travelling by railway trains." <i>Letters Patent sealed.</i>
BONNEVILLE. 31st January 1866.	305. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of wrought-iron tubes applicable to different purposes."— <i>A communication from Cadet Pierre Dubuisson, Manufacturer, a person residing at Saint Etienne, Département de la Loire, in the Empire of France, aforesaid.</i> <i>Letters Patent sealed.</i>

- BONNEVILLE.**
31st January 1866. 306. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in lamps."—*A communication from Victor Delaye Le Paul and Jules Garrigue, persons residing at Place de l'Opera, Paris, in the Empire of France, aforesaid.*
Provisional protection only.
- GIAJOLA.**
31st January 1866. 307. CHARLES EMILE GIAJOLA, of Birmingham, in the County of Warwick, Lamp Maker, for an invention for—"Improvements in railway and other lamps."
Letters Patent sealed.
- GREAVES.**
31st January 1866. 308. GEORGE GREAVES, of Blackburn, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in treating certain chemical matters and compounds for producing glazed surfaces."
Provisional protection only.
- DEMBINSKY.**
31st January 1866. 309. ALEXANDER DEMBINSKY, of Old Ford Road, in the County of Middlesex, Professor of Chemistry, for an invention for—"An improved composition for burning in lamps and otherwise, the residuum therefrom being applicable for use in fireworks and for other purposes."
Provisional protection only.
- WOODWARD.**
31st January 1866. 310. WILLIAM WOODWARD, and JOHN WOODWARD, of Queen's Foundry, New Islington, in the City of Manchester, and County of Lancaster, Engineers, for an invention for—"Improvements in steam boilers or generators."
Letters Patent sealed.
- DARLOW.**
31st January 1866. 311. WILLIAM DARLOW, of Park Road, Tottenham, in the County of Middlesex, for an invention for—"Improvements in electro-magnetic engines for obtaining and applying motive-power."
Provisional protection only.
- DUFRENÉ.**
31st January 1866. 312. HECTOR AUGUSTE DUFRENÉ, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"An improved hydraulic steam hammer."—*A communication from Monsieur Justin Thevenet, a person resident at Mont-sur-Marchienne lez Charleroi, Belgium.*
Provisional protection only.
- JONES.**
1st February 1866. 313. GEORGE DAVID JONES, of 350, Caledonian Road, in the County of Middlesex, Draper, for an invention for—"A new and improved construction of pocket for male or female attire, whereby the property contained therein is rendered secure from theft or accidental loss."
Provisional protection only.
- MALLISON.**
1st February 1866. 314. JAMES MALLISON, of Bolton, in the County of Lancaster, Yarn Agent, for an invention for—"Certain improvements in the treatment of yarns or threads previously to dyeing them."
Letters Patent sealed.
- CANDLER.**
1st February 1866. 315. EUGENE CANDLER, of Billiter Street, in the City of London, Wine Merchant, for an invention for—"Improvements in vessels and apparatus for containing and drawing off wine and other liquids."
Letters Patent sealed.
- MACINTOSH.**
BOGGETT.
1st February 1866. 316. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, and WILLIAM BOGGETT, of Lindsey Houses, Chelsea, in the County of Middlesex, for an invention for—"Improvements in gas pipes."
Provisional protection only.
- JENKS.**
1st February 1866. 317. THOMAS JENKS, of Birmingham, in the County of Warwick, Jeweller, for an invention for—"A new or improved method of manufacturing those kinds of ornamental metallic chains known as 'Brazilian' or 'snake' and other like patterns, and in machinery or apparatus to be employed therefor."
Letters Patent sealed.
- BULCOCK.**
BULCOCK.
1st February 1866. 318. JOHN BULCOCK, of the firm of Bracewell and Bulcock, of Burnley, in the County of Lancaster, and JOHN BULCOCK, the younger, of Burnley, aforesaid, Manufacturer, for an invention for—"Improvements in looms for weaving."
Provisional protection only.
- GRANT.**
1st February 1866. 319. JAMES BOUVERIE GRANT, of the Euston Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus or machinery for distilling and refining petroleum and other oils."
Letters Patent sealed.
- LUCY.**
1st February 1866. 320. HENRY CHARLES LUCY, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in connecting or fastening the ends of iron or other metal bands surrounding bales of cotton, wool and other dry goods."—*A communication to him from abroad by Henry Fassman, residing in the City of New Orleans, in the State of Louisiana, one of the United States of America.*
Letters Patent sealed.

MURRAY. 1st February 1866.	321. ANDREW MURRAY, Chief Engineer of H. M. Dockyard, Portsmouth, for an invention for—"Improvements in steering apparatus." <i>Letters Patent sealed.</i>
NATION. 1st February 1866.	322. WILLIAM BRYER NATION, of London Works, Hatcham, in the County of Surrey, for an invention for—"Improvements in the purification and hardening of paraffin wax." <i>Letters Patent sealed.</i>
HARRISON. HARRISON. 2nd February 1866.	323. JOSEPH JOHN HARRISON, of Broughton, in the County of Lancaster, Civil Engineer, and EDWARD HARRISON, of Balham, in the County of Surrey, Gentleman, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
WINSTANLEY. 2nd February 1866.	324. DAVID WINSTANLEY, junior, of Manchester, in the County of Lancaster, Photographer, for an invention for—"Improvements in producing printing surfaces by the aid of photography." <i>Letters Patent sealed.</i>
BOASE. 2nd February 1866.	325. WILLIAM BOASE, of Ferris Town, Truro, in the Duchy of Cornwall, Draper, for an invention for—"Improvements in apparatus for measuring and blocking drapery goods, paper hangings and such like purposes." <i>Letters Patent sealed.</i>
HOLT. 2nd February 1866.	326. CHARLES HERBERT HOLT, of Huddersfield, in the County of York, Engineer, for an invention for—"Improvements in obtaining adhesion of the driving wheels of locomotive engines to the rails of railways." <i>Provisional protection only.</i>
BLINKHORN. 2nd February 1866.	327. WILLIAM JOHN BLINKHORN, of St. Helen's, in the County of Lancaster, for an invention for—"Improved apparatus for communicating or signalling between passengers and guard and engine driver of railway trains." <i>Letters Patent sealed.</i>
PATRICK. 2nd February 1866.	328. JAMES CHARLES PATRICK, Engineer and Machinist, of Aylesbury Street, Clerkenwell, in the County of Middlesex, for an invention for—"Improvements in cutting presses employed in the manufacture of boots, shoes, envelopes, paper collars and various other articles." <i>Letters Patent sealed.</i>
MITCHELL. 2nd February 1866.	329. HENRY MITCHELL, of Oxford Street, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in travelling or fitted dressing bags." <i>Provisional protection only.</i>
GWYNNE. 2nd February 1866.	330. GEORGE GWYNNE, of Mortimer Street, Cavendish Square, in the County of Middlesex, Esquire, for an invention for—"Improvements in treating fatty and oily bodies." <i>Letters Patent sealed.</i>
BARKER. DAVIS. 2nd February 1866.	331. GEORGE BARKER, of Staleybridge, in the County of Lancaster, Machine Maker, and CHARLES DAVIS, of Pleydell Street, in the City of London, Machinist, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
LARKIN. PURKIS. 2nd February 1866.	332. HENRY LARKIN, of 6, Torriano Cottages, Leighton Road, N.W., and ROBERT PURKIS, of Cheam, in the County of Surrey, for an invention for—"Improvements in the manufacture of paper by the employment of a fibre not hitherto used in this manufacture." <i>Letters Patent sealed.</i>
NEWTON. 2nd February 1866.	333. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for breaking hemp and flax."— <i>A communication to him from abroad by Joseph Holford Siddall, of the City of Philadelphia, in the United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 2nd February 1866.	334. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in springs for ladies' skirts and similar purposes."— <i>A communication to him from abroad by Jules Libert, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
WARBURTON. WARBURTON. BARNES. 3rd February 1866.	335. JOHN WARBURTON, Cotton Spinner, PETER WARBURTON, Overlooker, and SMITH BARNES, Operative Spinner, all of Haslingden, in the County of Lancaster, for an invention for—"Improvements in mules for spinning and doubling." <i>Letters Patent sealed.</i>
MOLDEN. 3rd February 1866.	336. THOMAS MOLDEN, Engineer, in the employ of Messieurs Mather and Platt, of Salford, in the County of Lancaster, for an invention for—"Improvements in furnaces for steam-boilers and for other purposes." <i>Letters Patent sealed.</i>

MACKINTOSH.
3rd February 1866.

337. WILLIAM MACKINTOSH, of Forfar, in the County of Forfar, North Britain, Brassfounder and Gasfitter, for an invention for—"Improvements in holding details for lathes, vices and wrenches."—*A communication to him from abroad by James Taylor, residing at Lima, Peru.*
Letters Patent sealed.

HORWOOD.
BRUMFIT.
3rd February 1866.

338. ALBERT HORWOOD, and CHARLES BRUMFIT, both of No. 1, Pall Mall West, in the Parish of St. James, Westminster, in the County of Middlesex, for an invention for—"Improvements in galvanic batteries for keeping up constant currents of electricity, for railway train signals and electric telegraphic purposes."
Provisional protection only.

HIBBERT.
3rd February 1866.

339. WILLIAM HIBBERT, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved mechanical valve respirator."
Provisional protection only.

PETITO.
3rd February 1866.

340. ERNEST PETITO, of Grange Terrace, Michael's Grove, Brompton, in the County of Middlesex, for an invention for—"A certain improvement in envelopes."
Letters Patent sealed.

HOLLIDAY.
3rd February 1866.

341. JOHN HOLLIDAY, of Huddersfield, in the County of York, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of red coloring matter or dye."
Provisional protection only.

MUNTZ.
3rd February 1866.

342. PHILIP ALBERT MUNTZ, of Keresley, near Coventry, in the County of Warwick, Gentleman, for an invention for—"Improvements in furnaces for melting metals."
Provisional protection only.

LEEDS.
3rd February 1866.

343. EDWARD MONTAGU LEEDS, of Southampton, in the County of Hants, for an invention for—"Improvements in securing the hatchways, skylights and other openings of steam and other ships or vessels."
Provisional protection only.

JOBSON.
3rd February 1866.

344. ROBERT JOBSON, of Dudley, in the County of Worcester, Engineer, for an invention for—"Improvements in moulding articles of clay, earthenware or porcelain, and in apparatus used therein."
Letters Patent sealed.

BAKER.
3rd February 1866.

345. FRANCIS BRYAN BAKER, of Sherwood Street, Nottingham, Lace Dyer and Dresser, for an invention for—"Improvements in the process of dyeing and manufacture of textile fabrics."
Letters Patent sealed.

WILLINGTON.
3rd February 1866.

346. THEOPHILUS ALFRED GILBERT WILLINGTON, of Ross Hill, Handsworth, Staffordshire, for an invention for—"Improvements in apparatus for heating conservatories, apartments or boilers, by means of gas."
Letters Patent sealed.

WALKER.
5th February 1866.

347. CHARLES VINCENT WALKER, of Fernside, Redhill, in the County of Surrey, Telegraphic Engineer, for an invention for—"Improvements in electric intercommunication in railway trains."
Letters Patent sealed.

ABEL.
5th February 1866.

348. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in elastic fabrics, and in the application thereof to the manufacture of boots and shoes."—*A communication to him from abroad by Isaac Heer, Manufacturer, residing at Paris, in the Empire of France.*
Provisional protection only.

ABEL.
5th February 1866.

349. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in coke ovens."—*A communication to him from abroad by Jacob Bowers, of Connellsville, Fayette, in the State of Pennsylvania, in the United States of America.*
Letters Patent sealed.

SPENCER.
CUTTS.
5th February 1866.

350. WILLIAM SPENCER, and THOMAS BUTLER CUTTS, of Wilford, in the County of Nottingham, Lace Manufacturers, for an invention for—"Improvements in the manufacture of Valenciennes lace in twist lace machines."
Letters Patent sealed.

MAHIEUX.
5th February 1866.

351. AMÉDÉE MAHIEUX, of 13, Rue des Martyrs, Paris, in the Empire of France, Mechanical Engineer, for an invention for—"A machine for cutting, stamping and embossing paper, cardboard, leather, india-rubber and woven fabrics in general."—*A communication to him from Jean Carton, Engraver, a person resident at Paris, France.*
Complete specification; Letters Patent sealed.

RUSSELL. 5th February 1866.	352. JOHN RUSSELL, of the City and County of Cork, Ireland, Merchant, for an invention for—"Certain improvements in preventing oxidation, as also the fouling of the lower parts of iron-built ships, which said improvements are also applicable for protecting the inside or hull portion of such kind of ships, as well as the internal iron parts used for lining or strengthening vessels principally constructed of wood." <i>Provisional protection only.</i>
RENNEY. 5th February 1866.	353. WILLIAM RENNEY, of 69, Lombard Street, in the City of London, Master Mariner, for an invention for—"Improved means of and apparatus for preventing oscillation and vibration of the card in iron ships' and other ships' compasses, by means of friction." <i>Letters Patent sealed.</i>
SPINK. 5th February 1866.	354. DANIEL SPINK, of Weston-super-Mare, in the County of Somerset, Gentleman, for an invention for—"Improvements in propelling and steering vessels." <i>Letters Patent sealed.</i>
CLUDERAY. 5th February 1866.	355. WILLIAM SAMUEL CLUDERAY, of Leeds, in the County of York, Mechanist, for an invention for—"Improved apparatus for manufacturing bungs, 'shivers,' plugs and other articles of a like shape." <i>Provisional protection only.</i>
SPENCER. 5th February 1866.	356. THOMAS SPENCER, of Euston Square, in the County of Middlesex, Chemical Engineer, for an invention for—"Improvements in the mode of and apparatus for filtering water and other fluids." <i>Letters Patent sealed.</i>
GODEFROY. MOTT. 6th February 1866.	357. PETER AUGUSTIN GODEFROY, of No. 5, Church Road, Homerton, Operative Chemist, and JOHN WILLIAM MOTT, of 2, Essex Place, Nightingale Road, Clapton, Gentleman, both in the County of Middlesex, for an invention for—"An improvement in the treatment of rami or rhea fibre, commonly called and known as China or India grasses." <i>Provisional protection only.</i>
BOULTON. WORTHINGTON. 6th February 1866.	358. WILLIAM BOULTON, and JOSEPH WORTHINGTON, of Burslem, in the County of Stafford, Engineers, for an invention for—"Improvements in apparatus for manufacturing dishes, plates and other similar articles, from pulverized clay or dust, or other suitable materials." <i>Provisional protection only.</i>
RASTOUIN. 6th February 1866.	359. VINCENT RASTOUIN, of 29, Boulevard St. Martin, Paris, France, Mechanician, for an invention for—"Improvements in motive-power." <i>Provisional protection only.</i>
ALLEN. 6th February 1866.	360. JAMES ALLEN, of Saint Margaret's Street, Canterbury, in the County of Kent, Tailor, for an invention for—"Improvements in envelopes." <i>Provisional protection only.</i>
JONES. 6th February 1866.	361. JOHN JONES, of Liverpool, in the County of Lancaster, Tailor and Draper, for an invention for—"An improved method of and means for suspending or supporting trousers and other like garments from the person." <i>Provisional protection only.</i>
BEUTHER. 6th February 1866.	362. EDWARD ADOLPH HERMANN BEUTHER, of Achen, in the Kingdom of Prussia, for an invention for—"Improvements in axle boxes for railway carriages." <i>Letters Patent sealed.</i>
GATLEY. 6th February 1866.	363. ROBERT GATLEY, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in blowing or blast engines." <i>Provisional protection only.</i>
CLARK. 6th February 1866.	364. RICHARD CLARK, of Cannon Farm, Pinner, in the County of Middlesex, for an invention for—"Improvements in the construction and lighting of railway carriages." <i>Provisional protection only.</i>
SMITH. 6th February 1866.	365. THOMAS JAMES SMITH, of Twickenham, in the County of Middlesex, Gentleman, for an invention for—"Improvements in lubricating the axles and bearings of railway rolling stock and other machinery."— <i>A communication to him from abroad by François Haack, of Brussels, Belgium.</i> <i>Letters Patent sealed.</i>
GUNNER. 6th February 1866.	366. JAMES GUNNER, of Enfield, in the County of Middlesex, for an invention for—"An improvement in breech-loading fire-arms." <i>Provisional protection only.</i>
HOLMES. 6th February 1866.	367. SAMUEL HOLMES, of Lincoln's Inn Fields Chambers, County of Middlesex, for an invention for—"Improvements in the manufacture of printing ink." <i>Provisional protection only.</i>

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| SIMS.
BEARD.
BURNS.
7th February 1866. | 368. REUBIN SIMS, JOHN BEARD, and ROBERT BURNS, of the firm of Picksley, Sims and Company, Limited, of Bedford, in the County of Lancaster, Agricultural Implement Manufacturers, for an invention for—"Certain improvements in reaping and mowing machines."
<i>Letters Patent sealed.</i> |
| SCOTT.
7th February 1866. | 369. URIAH SCOTT, Engineer, of No. 66, Pratt Street, Camden Town, Middlesex, for an invention for—"Improvements in various parts of railway and other carriages, some of which may be applied to other purposes."
<i>Letters Patent sealed.</i> |
| PRICE.
7th February 1866. | 370. EDWARD PRICE, Engineer and Manager of the Gas Works, Hampton Wick, in the County of Middlesex, for an invention for—"Improvements in barrows, carts, trucks or other vehicles."
<i>Letters Patent sealed.</i> |
| ABEL.
7th February 1866. | 371. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means and apparatus for regulating the supply of steam to stationary, locomotive and marine steam-engines."— <i>A communication to him from abroad by Charles Achille Tranchant, Civil Engineer, of Paris, in the Empire of France.</i>
<i>Provisional protection only.</i> |
| RICHARDS.
7th February 1866. | 372. WILLIAM RICHARDS, of 7, Regina Road, Holloway, in the County of Middlesex, Engineer, for an invention for—"Improvements in means or apparatus for measuring liquids."
<i>Letters Patent sealed.</i> |
| CLARK.
7th February 1866. | 373. GEORGE CLARK, of No. 2, Napier Street, Dover Road, Southwark, in the County of Surrey, for an invention for—"Improvements in the construction, adaptation and application of machinery and apparatus for the manufacture of mats and envelopes of fibrous material, to cover and protect bottles and other fragile articles, and in the manufacture of such mats and envelopes."
<i>Provisional protection NOT granted.</i> |
| BRANDON.
7th February 1866. | 374. ALEXANDER HORACE BRANDON, Engineer, of 13, Rue Gaillon, Paris, for an invention for—"Improvements in the manufacture of axles for railway carriages."— <i>A communication to him by Alfred Motteau, Engineer, a person residing at Angoulême, France.</i>
<i>Provisional protection only.</i> |
| LEWIS.
7th February 1866. | 375. JOSEPH LEWIS, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in meters for measuring and registering the flow of liquids, part of which improvements is also applicable to regulating the flow of steam."
<i>Provisional protection only.</i> |
| MAXWELL.
7th February 1866. | 376. JOSEPH ALEXANDER MAXWELL, of No. Seven, Park Avenue, Sandymount, in the County of Dublin, Ireland, Gentleman, for an invention for—"Improvements in pneumatic railways."
<i>Letters Patent sealed.</i> |
| CLARK.
7th February 1866. | 377. ALEXANDER CLARK, of Rathbone Place, in the County of Middlesex, Revolving Shutter Manufacturer, for an invention for—"Improvements in machinery or apparatus for mortising or cutting holes or mortises in wood."
<i>Letters Patent sealed.</i> |
| BROWNE.
7th February 1866. | 378. BENJAMIN BROWNE, of No. 49, King William Street, in the City of London, Patent Agent, for an invention for—"Improvements in the construction of needles employed more particularly in fancy needlework on canvass."— <i>A communication to him from abroad by Gustave Mayer, of Rue des Tournelles, 7, Passy, Paris, in the French Empire.</i>
<i>Provisional protection only.</i> |
| McEVoy.
7th February 1866. | 379. CHARLES AMBROSE McEVoy, of 28, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in torpedoes or submarine explosive instruments."
<i>Provisional protection only.</i> |
| SALKELD.
8th February 1866. | 380. SAMUEL JOHN SALKELD, of No. 4, Middle Row, Holborn, in the County of Middlesex, Merchant, for an invention for—"Improvements in spring bed bottoms."— <i>A communication to him from abroad by John Jay Haley, of South Dedham, Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i> |
| SAWYER.
MIDDLETON.
8th February 1866. | 381. JOSEPH SAWYER, of Forston Street, in the County of Middlesex, Engineer, and SAMUEL MIDDLETON, of No. 38, St. John's Lane, Smithfield, in the City of London, Manufacturer, for an invention for—"Improvements in fire-escapes."
<i>Letters Patent sealed.</i> |

LAYCOCK. 8th February 1866.	382. WILLIAM SAMUEL LAYCOCK, of Sheffield, in the County of York, Manufacturer of Hair Seating and Curled Hair, for an invention for—"Improvements in looms for weaving a certain kind of cloth or fabric." <i>Letters Patent sealed.</i>
BOBŒUF. 8th February 1866.	383. PIERRE ALEXIS FRANCISSE BOBŒUF, of No. 9, Rue Buffault, in the City of Paris, France, Chemist, for an invention for—"Improvements in the manufacture of artificial coal tars and their solid derivatives, such as phenical soaps and salts." <i>Provisional protection only.</i>
DEYMANN. 8th February 1866.	384. HENRY DEYMANN, of Gilly, in the Kingdom of Belgium, Tradesman, for an invention for—"An improved rotary steam-engine." <i>Provisional protection only.</i>
ATWATER. 8th February 1866.	385. JOHN BOWMAN ATWATER, of Chicago, in the State of Illinois, in the United States of America, for an invention for—"An improved apparatus for raising or forcing water by the aid of steam and air, for supplying locomotive tenders and for other purposes." <i>Letters Patent sealed.</i>
TOWNSEND. 8th February 1866.	386. JOSEPH TOWNSEND, of Glasgow, in the County of Lanark, North Britain, Manufacturing Chemist, for an invention for—"Improvements in preparing size or stiffening and in applying the same to textile materials or fabrics." <i>Letters Patent sealed.</i>
HIGSON. 8th February 1866.	387. RICHARD EDWIN HIGSON, of the firm of Higson and Brothers, of Macclesfield, in the County of Chester, Silk Manufacturers, for an invention for—"Certain improvements in the ornamentation of silk and satin fabrics." <i>Provisional protection only.</i>
SHAW. WHITAKER. 8th February, 1866.	388. JOHN SHAW, and JOHN WHITAKER, both of Oldham, in the County of Lancaster, Cotton Spinners and Doublers, for an invention for—"Certain improvements in mechanism for opening and cleaning cotton and other fibrous materials." <i>Provisional protection only.</i>
BOND. BUSSELL. FISHER. 8th February 1866.	389. ROBERT BOND, and WILLIAM JOSEPH BUSSELL, both of Newport, in the County of Monmouth, and BENJAMIN SAMUEL FISHER, of Tredegar, in the same County, for an invention for—"An improved substitute for emery to be used for cutting, grinding and polishing metal, marble, glass, precious stones and other hard substances." <i>Provisional protection only.</i>
CLEGG. NICOLAS-DAUBISGNYE. 8th February 1866.	390. ROBERT DAWSON CLEGG, of 22, Parkfield Street, Islington, in the County of Middlesex, Engineer, and DIDIER LOUIS NICOLAS-DAUBISGNYE, of 22, Rue Hautefeuille, Paris, Publicist, for an invention for—"Improvements in pumps." <i>Provisional protection NOT granted.</i>
ROE. 8th February 1866.	391. JOHN ROE, of Birmingham, in the County of Warwick, Licensed Victualler, for an invention for—"A new or improved adjustable lever spanner or screw wrench." <i>Letters Patent sealed.</i>
AVERY. 8th February 1866.	392. JOHN GILBERT AVERY, of Little Britain, in the City of London, for an invention for—"An improved apparatus for raising water in shower baths."— <i>A communication to him from abroad by Henry Wilson Lee, of Wisconsin, United States of America.</i> <i>Provisional protection only.</i>
ROCK. 8th February 1866.	393. WILLIAM ROCK, of Harp Lane, in the City of London, Printer, for an invention for—"Improvements in printing machines." <i>Provisional protection only.</i>
DE BRIOU. 8th February 1866.	394. HENRY EDWARD FRANCIS DE BRIOU, Doctor of Medicine, of St. George's Lodge, 19, Marlborough Hill, St. John's Wood, in the County of Middlesex, for an invention for—"Improved compositions for preserving metals from oxidation, corrosion and galvanic action, for protecting metals used in the construction of ships against the destructive effects of sea water and preventing their fouling, for protecting wood from the attacks of animalculæ, and preserving wood from damp, rot and decay, for excluding damp from walls, and for use in submarine and other telegraphy." <i>Letters Patent sealed.</i>
SIMON. 8th February 1866.	395. SAMUEL BRUCKSHAW SIMON, of 7, Castle Street, Falcon Square, in the City of London, trading under the firm of William Young, Edwards and Co., for an invention for—"Improvements in the manufacture of hats and in apparatus employed therein."— <i>A communication to him from abroad by John Thomas Jones, a person resident at New York, United States of America.</i> <i>Provisional protection only.</i>

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| <p>DALLMEYER.
8th February 1866.</p> <p>FELT.
8th February 1866.</p> <p>LAKE.
9th February 1866.</p> <p>BEVAN.
FLEMING.
9th February 1866.</p> <p>SUTCLIFFE.
9th February 1866.</p> <p>WALKER.
9th February 1866.</p> <p>ARMSTRONG.
9th February 1866.</p> <p>BAKER.
9th February 1866.</p> <p>ROCK.
9th February 1866.</p> <p>DAVIS.
9th February 1866.</p> <p>CLISSOLD.
9th February 1866.</p> <p>HIGGINS.
9th February 1866.</p> <p>JOHNSON.
9th February 1866.</p> <p>RUSSELL.
9th February 1866.</p> | <p>396. JOHN HENRY DALLMEYER, of 19, Bloomsbury Street, in the County of Middlesex, Optician, for an invention for—"An improved photographic lens."
<i>Provisional protection only.</i></p> <p>397. NATHANIEL HENRY FELT, of Salem, Massachusetts, United States of America, at present residing at Florence Street, Islington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of stiffenings for the heels of boots and shoes."—<i>A communication to him from abroad by John Gillingham Felt, of Salem, aforesaid.</i>
<i>Letters Patent sealed.</i></p> <p>398. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus or machine for removing the seeds or stones from raisins and other dried fruit."—<i>A communication to him from abroad by William Emerson Baker, of Boston, Massachusetts, United States of America.</i>
<i>Provisional protection only.</i></p> <p>399. EDWARD BEVAN, of Birkenhead, in the County of Chester, Watch Manufacturer, and ABEL FLEMING, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in the construction of furnaces and kilns employed in the manufacture of glass, and in the heating and burning of articles of glass and earthenware."
<i>Provisional protection only.</i></p> <p>400. JOSEPH SUTCLIFFE, of Burnley, in the County of Lancaster, for an invention for—"Improvements in top rollers used in machinery or apparatus for spinning cotton and other fibrous substances, which are also applicable to machinery or apparatus used for preparing fibrous materials to be spun."
<i>Provisional protection only.</i></p> <p>401. JOHN WALKER, of Staleybridge, in the County of Chester, Mechanic, for an invention for—"Certain improvements in looms for weaving."
<i>Provisional protection only.</i></p> <p>402. ROBERT WILLIAMS ARMSTRONG, of Belleek, in the County of Fermanagh, Architect, for an invention for—"Improvements in preparing clay, dust and similar materials, for making earthen and other ware, and in machinery for moulding hollow articles in earth, clay and other like materials."
<i>Letters Patent sealed.</i></p> <p>403. FREDERIC THOMAS BAKER, of Fleet Street, in the City of London, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms."
<i>Letters Patent sealed.</i></p> <p>404. JAMES ROCK, the younger, of Hastings, in the County of Sussex, Carriage Builder, for an invention for—"Improvements in carriages and waggons with folding heads or coverings, and in carriage springs."
<i>Letters Patent sealed.</i></p> <p>405. GEORGE DANIEL DAVIS, of 16, Woodstock Road, East India Road, in the County of Middlesex, Caulker, for an invention for—"Improvements in machinery for working rudders."
<i>Complete specification; Letters Patent sealed.</i></p> <p>406. WILLIAM CLISSOLD, of Dudbridge Works, near Stroud, in the County of Gloucester, Engineer, for an invention for—"An improved construction of clutch for driving machinery."
<i>Letters Patent sealed.</i></p> <p>407. JAMES HIGGINS, of Salford, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in the manufacture of rings for the 'ring and traveller' system of spinning or twisting fibrous materials."
<i>Letters Patent sealed.</i></p> <p>408. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in spinning and drawing rollers."—<i>A communication to him from abroad by Henry Hall, of Lambertville, in the State of New Jersey, and Thomas Finlay and Isaac Schlichter, both of Philadelphia, in the State of Pennsylvania, all in the United States of America.</i>
<i>Provisional protection only.</i></p> <p>409. GEORGE FITZJAMES RUSSELL, of Piccadilly, in the County of Middlesex, for an invention for—"Improvements in the manufacture of wheels for vehicles, railway rolling stock, the propulsion of vessels and other purposes."
<i>Letters Patent sealed.</i></p> |
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CLIFT. 9th February 1866.	410. THOMAS CLIFT, of Kentish Town, in the County of Middlesex, for an invention for—"Improvements in the manufacture of portable chairs." <i>Letters Patent sealed.</i>
WYNN. 9th February 1866.	411. WILLIAM NATHANIEL WYNN, of Hilsea, in the County of Hants, for an invention for—"Improvements in travellers for warehouses, factories, building yards and other purposes." <i>Letters Patent sealed.</i>
GIAJOLA. 9th February 1866.	412. CHARLES EMILE GIAJOLA, of Birmingham, in the County of Warwick, Lamp Maker, for an invention for—"Improvements in privies and commodes." <i>Letters Patent sealed.</i>
WARNER. 9th February 1866.	413. JOSEPH WARNER, of Redditch, in the County of Worcester, Fish Hook and Needle Manufacturer, for an invention for—"Improvements in fish hooks." <i>Letters Patent sealed.</i>
JUNOD. 10th February 1866.	414. VICTOR THEODORE JUNOD, of Old Cavendish Street, Cavendish Square, in the County of Middlesex, for an invention for—"Improvements in vacuum apparatus employed for the cure or relief of inflammatory diseases." <i>Letters Patent sealed.</i>
SEYD. 10th February 1866.	415. ERNEST SEYD, of Finch Lane, in the City of London, for an invention for—"Improvements in the manufacture of wollen damasks."— <i>A communication to him from abroad by Wilhelm Vogel, of Chemnitz, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
SHEDLOCK. 10th February 1866.	416. JAMES JOHN SHEDLOCK, of 6, Shaftesbury Villas, Kensington, in the County of Middlesex, Gas Engineer, for an invention for—"Improvements in gas burners." <i>Letters Patent sealed.</i>
BINNS. BINNS. 10th February 1866.	417. JOHN BINNS, and WILLIAM BINNS, both of Halifax, in the County of York, Wire Manufacturers, for an invention for—"Improved machinery or apparatus to be employed in the manufacture of Jacquard wires used in looms for weaving." <i>Letters Patent sealed.</i>
RYLEY. 10th February 1866.	418. JOHN RYLEY, of the Town and County of Nottingham, Engineer, for an invention for—"Certain improvements in apparatus to be employed in the manufacture of hair cloth." <i>Letters Patent sealed.</i>
CLIFTON. 10th February 1866.	419. HENRY CHARLES CLIFTON, of 44, Rahier Street, Clerkenwell, in the County of Middlesex, Machinist, for an invention for—"Improvements in machinery for laying veneers on to surfaces." <i>Provisional protection not granted.</i>
DAVIDSON. 10th February 1866.	420. JONATHAN DAVIDSON, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in the reefing of sails and in the machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
LAKE. 10th February 1866.	421. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in carriages and castors for sewing-machines."— <i>A communication to him from abroad by Nesbitt De Laney Stoops, of Newark, County of Essex, State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
BURTON. 10th February 1866.	422. JAMES HENRY BURTON, of Harrogate, in the County of York, Mechanical Engineer, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Letters Patent sealed.</i>
PINCHES. 10th February 1866.	423. JOHN PINCHES, of No. 27, Oxenden Street, in the Parish of Saint Martin-in-the-Fields, in the City of Westminster, and County of Middlesex, Medalist, for an invention for—"Improvements in stamping or embossing presses used for embossing, coining or stamping of devices of any kind on metal, parchment, paper or fabrics of any kind." <i>Letters Patent sealed.</i>
CHARLTON. CHARLTON. 10th February 1866.	424. JOHN CHARLTON, and HENRY CHARLTON, of the City of Manchester, in the County of Lancaster, Calenderers and Finishers, for an invention for—"Improvements in stretching woven fabrics during the processes of stiffening and sizing them." <i>Letters Patent sealed.</i>
FAREY. 10th February 1866.	425. BARNARD WILLIAM FAREY, of the firm of Bryan Donkin and Company, of Bermondsey, in the County of Surrey, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>

- HUGGETT.
10th February 1866. 426. JOHN HUGGETT, of Terminus Road, Eastbourne, in the County of Sussex, Ironmonger, for an invention for—"Improvements in the manufacture of horse nails and in apparatus employed therein." *Letters Patent sealed.*
- CLARKE.
10th February 1866. 427. JOHN GOFFE CLARKE, of Brackley, in the County of Northampton, for an invention for—"Improvements in range ovens." *Letters Patent sealed.*
- HART.
10th February 1866. 428. GEORGE HART, of Regent Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture of hats, caps and other coverings for the head." *Provisional protection only.*
- CUMMING.
EDMONDS.
10th February 1866. 429. GEORGE WILLIAM CUMMING, and JOHN KEMP EDMONDS, both of Brompton, in the County of Middlesex, for an invention for—"Improvements in apparatus for heating pipes by hot water." *Letters Patent sealed.*
- TOMLINSON.
12th February 1866. 430. JAMES TOMLINSON, of the Soho Iron Works, Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for hackling and opening hemp and other fibrous materials." *Letters Patent sealed.*
- PILBROW.
12th February 1866. 431. JAMES PILBROW, of Richmond, in the County of Surrey, Civil Engineer, for an invention for—"An improved method of applying to land liquid sewage, and also of applying to land water, pure or mixed with other matter." *Complete specification; protection for six months only.*
- WOLSTENHOLME.
RODGERS.
12th February 1866. 432. ROBERT WOLSTENHOLME, of Oldham, in the County of Lancaster, Manager, and RICHARD GREEN RODGERS, of Manchester, in the same County, for an invention for—"Certain improvements in the manufacture of textile fabrics termed 'mole-skins' or imperials and velveteens." *Letters Patent sealed.*
- COOKE.
HUNTER.
12th February 1866. 433. WILLIAM FOTHERGILL COOKE, of Aberia, near Carnarvon, North Wales, and GEORGE HUNTER, of Maentwrog, Merionethshire, for an invention for—"Improvements in machinery used in cutting stone, slate and other minerals, and in forming tunnels, galleries and roads." *Letters Patent sealed.*
- ABEL.
12th February 1866. 434. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in gas and air engines."—*A communication to him from abroad by Eugen Langen and Auguste Nicol Otto, both of Cologne, in the Kingdom of Prussia.* *Letters Patent sealed.*
- HARGRAVE.
12th February 1866. 435. JOSHUA HARGRAVE, Architect, of the City and County of Cork, Ireland, for an invention for—"Improvements in apparatus for raising and discharging water or other liquids." *Provisional protection only.*
- NEWTON.
12th February 1866. 436. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of port stopper applicable to turret ships and land and floating batteries."—*A communication to him from abroad by John Ericsson, of the City of New York, in the United States of America.* *Letters Patent sealed.*
- NEWTON.
12th February 1866. 437. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for manufacturing paper collars, cuffs, wristbands and other articles of similar character."—*A communication to him from abroad by Edwin Blood, of Newburyport, in the State of Massachusetts, United States of America.* *Letters Patent sealed.*
- ARNAUD.
12th February 1866. 438. CHARLES ARNAUD, at present residing at Morley's Hotel, Trafalgar Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in copying presses, which improvements are also applicable to mangles or linen presses." *Provisional protection only.*
- WARREN.
12th February 1866. 439. FREDERIC PELHAM WARREN, of East Court, Cosham, in the County of Hants, Commander in the Royal Navy, for an invention for—"Improvements in the construction of or arrangements for removing water from the interiors of sea-going and other vessels, and in closing or stopping leaks in such vessels." *Letters Patent sealed.*
- APPLEGATH.
12th February 1866. 440. AUGUSTUS APPLGATH, of Dartford, in the County of Kent, for an invention for—"Improvements in printing machines." *Provisional protection NOT granted.*

LONGRIDGE. 12th February 1866.	441. JAMES ATKINSON LONGRIDGE, of Abingdon Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for facilitating the working and discharge of ordnance below the water level." <i>Provisional protection only.</i>
STODDART. 13th February 1866.	442. ALFRED STODDART, of Brook Street, Kennington Road, in the County of Surrey, for an invention for—"Improvements in apparatus to be employed in illusory exhibitions." <i>Provisional protection only.</i>
LAKE. 13th February 1866.	443. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in cartridges for breech-loading fire-arms."— <i>A communication to him from abroad by Colonel Thomas Laidley, of Springfield, Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
LEVERSON. 13th February 1866.	444. MONTAGUE RICHARD LEVERSON, of No. 66, Bishopsgate Street Within, in the City of London, Solicitor and Patent Agent, for an invention for—"Improvements in the manufacture of gas suitable to be used for illumination or for obtaining heat or motive-power."— <i>A communication to him from abroad by Guillaume Lemaire Malherbe, of No. 34, Rue Trokay, Liege, in the Kingdom of Belgium, Manufacturer of Arms.</i> <i>Provisional protection only.</i>
YOUNG. 13th February 1866.	445. WILLIAM YOUNG, of 34, Queen Street, Cheapside, in the City of London, Lamp Manufacturer, for an invention for—"Improvements in and applicable to grates, and in the mode of fixing the same." <i>Letters Patent sealed.</i>
PATTERSON. 13th February 1866.	446. JOHN PATTERSON, of the City of Manchester, Merchant, for an invention for—"Improvements in machinery for cutting the pile of woven fabrics." <i>Letters Patent sealed.</i>
MARLAND. SMITH. WELLS. 13th February 1866.	447. SAMUEL MARLAND, of Clayton, near the City of Manchester, Oil Refiner, WILLIAM HORATIO SMITH, of the same place, Manager, and WILLIAM WELLS, of the City of Manchester, Gentleman, for an invention for—"Improvements in obtaining and applying artificial heat for producing light and for other purposes, and in the apparatus employed therein." <i>Provisional protection only.</i>
TOWNSEND. 13th February 1866.	448. JOHN TOWNSEND, of Shelf, near Halifax, in the County of York, Worsted Spinner, for an invention for—"Improvements in or applicable to machinery or apparatus for spinning and doubling fibrous substances, parts of which improvements are also applicable to other purposes." <i>Provisional protection only.</i>
GILPIN. 13th February 1866.	449. CHARLES GILPIN, Esquire, M.P., of No. 10, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in the production of copper or other metallic plates for the purpose of printing therefrom."— <i>A communication to him from abroad by Francis Kossuth and Louis Theodore Kossuth, both of Turin, in the Kingdom of Italy.</i> <i>Letters Patent sealed.</i>
WHITLEY. 13th February 1866.	450. THOMAS WHITLEY, of Holme Lane, Tong, in the Parish of Birstal, and County of York, for an invention for—"Improvements in means or apparatus for combing wool and other fibres." <i>Letters Patent sealed.</i>
DRAKE. 13th February 1866.	451. SAMUEL DRAKE, of Auckland Street, Vauxhall, in the County of Surrey, Engineer, for an invention for—"Improvements in combining together surfaces of wood." <i>Provisional protection only.</i>
BROWN. MAY. 13th February 1866.	452. WILLIAM BROWN, and CHARLES NEALE MAY, both of Devizes, in the County of Wilts, Engineers, for an invention for—"Improvements in apparatus for operating on straw, applied to threshing machines or otherwise." <i>Letters Patent sealed.</i>
KELLY. 13th February 1866.	453. SAMUEL WILLIAM KELLY, of Cardiff, in the County of Glamorgan, Metal Broker, for an invention for—"Improvements in the manufacture of rails, bars and girders." <i>Provisional protection only.</i>
FENBY. 13th February 1866.	454. JOSEPH BEVERLEY FENBY, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in pumps for raising and forcing liquids." <i>Letters Patent sealed.</i>
VERO. 13th February 1866.	455. JOSEPH VERO, of Dewsbury, near Leeds, in the County of York, for an invention for—"Improvements in machinery for felting the bodies of hats and other coverings for the head." <i>Letters Patent sealed.</i>

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| <p>OGDEN.
ROGERS.
13th February 1866.</p> <p>LAKE.
13th February 1866.</p> <p>RANSOME.
13th February 1866.</p> <p>COTTER.
13th February 1866.</p> <p>YOUNG.
14th February 1866.</p> <p>KIRK.
14th February 1866.</p> <p>MASON.
14th February 1866.</p> <p>WHEELDON.
14th February 1866.</p> <p>UNWIN.
14th February 1866.</p> <p>HOLDING.
TODD.
14th February 1866.</p> <p>DE GABLENZ.
MAHLER.
14th February 1866.</p> <p>SMITH.
14th February 1866.</p> <p>BARLOW.
14th February 1866.</p> <p>HENRY.
14th February 1866.</p> <p>PILLINER.
14th February 1866.</p> | <p>456. JOHN OGDEN, of Leeds, in the County of York, and ABRAHAM ROGERS, of Morley, near Leeds, also in the County of York, for an invention for—"Improved means or apparatus for the extinguishing of fires in steam vessels, mills, and other buildings in which steam is used."
<i>Provisional protection only.</i></p> <p>457. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in vices."—<i>A communication to him from abroad by Amos Hale Brainard, of Dorchester, Massachusetts, United States of America.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>458. FREDERICK RANSOME, of Queen Street Place, Southwark Bridge, for an invention for—"Improvements in the manufacture of building blocks of artificial stone."
<i>Provisional protection only.</i></p> <p>459. WILLIAM COTTER, of 9, Edith Street, Great Cambridge Street, Hackney Road, in the County of Middlesex, for an invention for—"Improvements in heating apparatus used for melting glue and for heating wood and irons."
<i>Provisional protection only.</i></p> <p>460. HENRY BURGESS YOUNG, of Instow, in the County of Devon, Engineer, for an invention for—"Improvements in screw propellers."
<i>Letters Patent sealed.</i></p> <p>461. ALEXANDER CARNEGIE KIRK, of Auchenhard, in the County of Linlithgow, North Britain, Engineer, for an invention for—"Improved arrangements and apparatus for distilling."
<i>Provisional protection only.</i></p> <p>462. SAMUEL MASON, of Birmingham, in the County of Warwick, Beer Engine Manufacturer, for an invention for—"Certain improvements in the manufacture of water, beer and wine taps, applicable for other similar purposes."
<i>Letters Patent sealed.</i></p> <p>463. FREDERICK RICHARD WHEELDON, of Wolverhampton, in the County of Stafford, Engineer, for an invention for—"Certain improvements in casting chilled rolls."
<i>Letters Patent sealed.</i></p> <p>464. WILLIAM UNWIN, of Sheffield, in the County of York, Gentleman, for an invention for—"An improved method in the rolling of coach spring, spindle and sheet steel."
<i>Provisional protection NOT granted.</i></p> <p>465. JOSEPH HOLDING, of Wheelton, in the County of Lancaster, Overlooker, and PETER TODD, of the same place, Spinner and Manufacturer, for an invention for—"Certain improvements in looms for weaving."
<i>Letters Patent sealed.</i></p> <p>466. HENRY ERNEST BARON DE GABLENZ, junior, and HENRY MAHLER, Doctor of Philosophy, both of Berlin, in the Kingdom of Prussia, now of No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, for an invention for—"An improved construction of submarine telegraphic cable for the transmission of electric despatches."
<i>Provisional protection only.</i></p> <p>467. ROBERT SMITH, Paper-hanging Manufacturer, of the Heywood, Higginbottom, Smith and Company, Limited, Paper-staining Works, Hyde Road, in the City of Manchester, for an invention for—"Certain improvements in printing designs on paper for hangings, coverings, sun blinds and other purposes."
<i>Provisional protection only.</i></p> <p>468. JAMES BARLOW, of the firm of Messieurs Barlow and Jones, of Bolton, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in bleaching, dyeing, printing and sizing cotton and other yarns or threads."
<i>Letters Patent sealed.</i></p> <p>469. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in photography, and in the process of producing printing surfaces and other like surfaces by the aid of photographic agency."—<i>A communication to him from abroad by the Chevalier Henry Avet, of 33, Boulevard Saint Martin, Paris, France.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>470. RICHARD BURGESS PILLINER, of Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in machinery for packing and pressing black lead and other materials."
<i>Letters Patent sealed.</i></p> |
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SOAMES. SOAMES. 14th February 1866.	471. JAMES SOAMES, and JAMES KOLLE SOAMES, both of the Thames Soap Works, Greenwich, in the County of Kent, Soap and Candle Manufacturers, for an invention for—"Improvements in purifying paraffin." <i>Letters Patent sealed.</i>
NAPIER. 14th February 1866.	472. ROBERT NAPIER, Engineer and Shipbuilder, of Glasgow, for an invention for—"Improvements in building ships of war." <i>Letters Patent sealed.</i>
NEWTON. 14th February 1866.	473. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in optical instruments."— <i>A communication to him from abroad by Leon Jaubert, of the Boulevard Beaumarchais, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 14th February 1866.	474. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for making collars, cuffs, wristbands and other similar articles of dress."— <i>A communication to him from abroad by Henry Francis Knapp, of New York, in the United States of America.</i> <i>Provisional protection only.</i>
WILSON. 14th February 1866.	475. WILLIAM NEWTON WILSON, Sewing Machine Manufacturer, of 144, High Holborn, in the County of Middlesex, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
HUGHES. 15th February 1866.	476. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improved mechanism for working apparatus for hoisting and pressing."— <i>A communication to him from abroad by Dennis Frisbee, of the City and County of New Haven, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
ROTHERY. 15th February 1866.	477. JOSEPH ROTHERY, of Waterloo Main Colliery, near Leeds, in the County of York, Colliery Viewer, for an invention for—"Improvements in machinery or apparatus for cutting coal and other minerals, and in the means for driving or actuating the same." <i>Letters Patent sealed.</i>
YOUNG. 15th February 1866.	478. JAMES YOUNG, of Limefield, in the County of Mid Lothian, Gentleman, for an invention for—"Improvements in distilling coal shales and other substances." <i>Letters Patent sealed.</i>
ADAMS. PARSON. 15th February 1866.	479. THOMAS ADAMS, Engineer, and GEORGE JOHN PARSON, Gentleman, both of Number Five, Duke Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in and applicable to slide valves, pistons and glands." <i>Letters Patent sealed.</i>
NICOLL. 15th February 1866.	480. DONALD NICOLL, of Oaklands Hall, West End, Kilburn, in the County of Middlesex, Esquire, for an invention for—"Improvements in the construction of electric telegraph conductors, and in the method of preparing and laying the same, also in the machinery or apparatus to be employed therein." <i>Letters Patent sealed.</i>
APPLEGATH. 15th February 1866.	481. AUGUSTUS APPLEGATH, of Dartford, in the County of Kent, for an invention for—"Improvements in printing machines." <i>Provisional protection only.</i>
CUMMING. 15th February 1866.	482. ALEXANDER CUMMING, of 105, Fore Street, St. Clements, Ipswich, in the County of Suffolk, for an invention for—"Improvements in apparatus to be used for teaching swimming." <i>Provisional protection NOT granted.</i>
HASSALL. 15th February 1866.	483. ARTHUR HILL HASSALL, of Wimpole Street, in the County of Middlesex, M.D., for an invention for—"Improvements in the preparation of meat for food." <i>Letters Patent sealed.</i>
WARD. 15th February 1866.	484. PETER WARD, of 2, Cloud's Hill Villas, St. George's Bristol, for an invention for—"Improvements in preparing materials for preventing and removing incrustation in steam-boilers, for lubricating machinery, and for scouring cloth and other substances." <i>Letters Patent sealed.</i>
BEDSON. 15th February 1866.	485. GEORGE BEDSON, of Manchester, in the County of Lancaster, Manager of Iron Works, for an invention for—"Improvements in machinery for rolling wire and wire rods." <i>Letters Patent sealed.</i>

- NEWTON.
15th February 1866. 486. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of and apparatus for generating superheated steam."—*A communication to him from abroad by Ebenezer Danford, of Geneva, State of Illinois, United States of America.* Letters Patent sealed.
- GALL.
15th February 1866. 487. CHARLES GALL, of Bridgnorth, in the County of Salop, Engineer, for an invention for—"Improvements in apparatus for effecting the consumption of smoke in steam-boiler and other similar furnaces." Letters Patent sealed.
- MATHER.
15th February 1866. 488. COLIN MATHER, of Salford Iron Works, Manchester, for an invention for—"Improvements in preparing linen yarn." Letters Patent sealed.
- BOUTET.
15th February 1866. 489. THOMAS CHARLES BOUTET, of the Glen, Lewisham Road, Greenwich, Civil Engineer, for an invention for—"A new method of constructing bridges of a single reach or span from one bank to the other, that is without piles between the abutments." Provisional protection only.
- DREVETON.
16th February 1866. 490. EMILE DREVETON, of 42, Rue Poyenne, Bordeaux, and 38, Queen Street, in the City of London, for an invention for—"Improvements in preparing champagne and sparkling wines, and in the apparatus to be employed therein." Letters Patent sealed.
- RILEY.
16th February 1866. 491. WILLIAM SPINKS RILEY, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." Letters Patent sealed.
- GEDGE.
16th February 1866. 492. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of carts and other vehicles."—*A communication to him from abroad by Désiré Massé, of 39, Faubourg St. Martin, Paris, France.* Provisional protection only.
- GEDGE.
16th February 1866. 493. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved machinery or apparatus for reducing the thickness of parts of calf skins or of other skins or hides."—*A communication to him from abroad by Adolphe Bel, of Autun, France, Tanner and Currier.* Provisional protection only.
- DAVIDSON.
16th February 1866. 494. WILLIAM DAVIDSON, of Higher Bebbington, in the County of Chester, for an invention for—"Improvements applicable to square topsails and topgallant sails." Provisional protection only.
- PATERSON.
16th February 1866. 495. JOHN PATERSON, of Staining Lane, in the City of London, Manufacturer, for an invention for—"Improvements in or additions to sewing-machines." Letters Patent sealed.
- PLACET.
16th February 1866. 496. PAUL EMILE PLACET, of Paris, Rue Garanciere, No. 8, Chemist, for an invention for "An improved method of printing." Letters Patent sealed.
- CLAY.
16th February 1866. 497. WILLIAM CLAY, of Liverpool, in the County of Lancaster, Iron Manufacturer, for an invention for—"Improvements in economizing the heat of gas producers." Provisional protection only.
- WELCH.
16th February 1866. 498. EDWARD JOHN COWLING WELCH, of Harrow, in the County of Middlesex, Engineer, for an invention for—"Improved apparatus for carburetting air and gas." Letters Patent sealed.
- WHITEHEAD.
16th February 1866. 499. JAMES HEYWOOD WHITEHEAD, of the Royal George Mills, in the Parish of Saddleworth, in the West Riding of the County of York, Esquire, for an invention for—"Improvements in the manufacture of fabrics composed of india-rubber and cotton or other vegetable fibres." Letters Patent sealed.
- WOOD.
WOOD.
16th February 1866. 500. WILLIAM WOOD, and JAMES WILLIAM WOOD, of Monkhill, near Pontefract, in the County of York, for an invention for—"Improvements in the manufacture of Pomfret or liquorice cakes, rolls and pipes, and of lozenges and other similar articles of confectionery, and in apparatus to be used in the manufacture of such articles." Letters Patent sealed.
- WHITEHEAD.
16th February 1866. 501. JAMES HEYWOOD WHITEHEAD, of the Royal George Mills, in the Parish of Saddleworth, in the West Riding of the County of York, Esquire, for an invention for—"Improvements in the manufacture of endless cloths." Letters Patent sealed.

- LINNINGTON.**
16th February 1866. 502. ADOLPHUS HENRY LINNINGTON, of 58, Fenchurch Street, in the City of London, for an invention for—"Improvements in rudders and steering apparatus."—*A communication to him from abroad by Peter Dinzey, a person resident at St. Bartholomew, West Indies.* *Provisional protection only.*
- WHITEHEAD.**
16th February 1866. 503. JAMES HEYWOOD WHITEHEAD, of the Royal George Mills, in the Parish of Saddleworth, in the West Riding of the County of York, Esquire, for an invention for—"Improvements in apparatus for heating the feed water for steam-boilers." *Letters Patent sealed.*
- FLETCHER.**
17th February 1866. 504. JOHN FLETCHER, of Ashton-under-Lyne, in the County of Lancaster, Brass Founder, for an invention for—"Improvements in valves for regulating the pressure of steam and other fluids." *Letters Patent sealed.*
- WOODBURY.**
17th February 1866. 505. WALTER BENTLEY WOODBURY, of Worcester Park, in the County of Surrey, Gentleman, for an invention for—"Improvements in the production of ornamental surfaces for jewellery and other purposes." *Provisional protection only.*
- WOLSTENHOLME.**
PENDLEBURY.
17th February 1866. 506. JOHN WOLSTENHOLME, of Radcliffe, in the County of Lancaster, and JOHN TOMLINSON PENDLEBURY, of Elton, in the same County, for an invention for—"Improvements in apparatus for shaving and cutting metal bars and metal tubing." *Letters Patent sealed.*
- NELSON.**
17th February 1866. 507. SAMUEL NELSON, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in shuttle tongues." *Letters Patent sealed.*
- WILLIS.**
RICE.
17th February 1866. 508. HENRY WILLIS, of Worcester, Shoe Manufacturer, and GEORGE RICE, of Worcester, Tailor and Draper, for an invention for—"Improvements in mechanism for converting rotary motion into reciprocating motion." *Letters Patent sealed.*
- LEA.**
17th February 1866. 509. HENRY LEA, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- LOPEZ-Y-MUNOZ.**
17th February 1866. 510. MANUEL JOSÉ LOPEZ-Y-MUNOZ, of Havana, in the Island of Cuba, at present residing at No. 91, Guilford Street, Russell Square, for an invention for—"Improvements in machinery for making cigarettes." *Letters Patent sealed.*
- GREENHALGH.**
17th February 1866. 511. JOSEPH GREENHALGH, of Blackford Bridge, in the County of Lancaster, Calico Printer, for an invention for—"Improvements in producing ornamental designs in color upon woollen, silk, cotton and other fabrics." *Provisional protection only.*
- SMITH.**
17th February 1866. 512. JOSEPH SMITH, of the Electric and International Telegraph Company, Derby, in the County of Derby, for an invention for—"Improvements in apparatus used for the protection of trains on railways, by signalling." *Provisional protection only.*
- KIDD.**
17th February 1866. 513. JOSHUA KIDD, of Battersea Rise, in the County of Surrey, Gas Engineer, for an invention for—"Improvements in carburetting low pressure superheated steam, air or coal gas, for lighting and heating purposes, for generating steam or hydro-carbon vapour, and in apparatus employed therein." *Letters Patent sealed.*
- MUIR.**
McILWHAM.
19th February 1866. 514. MATTHEW ANDREW MUIR, and JAMES McILWHAM, of Glasgow, in the County of Lanark, North Britain, Machinists, for an invention for—"Improvements in and relating to fence, gate and telegraph posts." *Provisional protection only.*
- WHALLEY.**
19th February 1866. 515. JOSHUA WHALLEY, of Blackburn, in the County of Lancaster, Overlooker, for an invention for—"Improvements in the means of or apparatus to be employed for cutting fustians or other similar fabrics." *Provisional protection only.*
- SMITH.**
19th February 1866. 516. PRINCE SMITH the elder, of Keighley, in the County of York, Gentleman, for an invention for—"Improvements in weighting top pressing rollers for dandy roving and spinning of wool, worsted, silk, mohair, alpaca and other fibrous substances." *Letters Patent sealed.*
- NALL.**
20th February 1866. 517. JAMES NALL, of No. 6, Queen Street, Leicester, Engraver, for an invention for—"An improved method of manufacturing name plates of metal, and in producing ornamental devices upon metal plates." *Letters Patent sealed.*
- DU BOYS.**
20th February 1866. 518. ERNEST MARIE DU BOYS, Government Engineer, of Boulevard de Strasbourg, Paris, France, for an invention for—"Improvements in apparatus for measuring and registering the flow of water or other liquids." *Letters Patent sealed.*

WALSH. 20th February 1866.	519. JOHN HENRY WALSH, of Kensington, in the County of Middlesex, for an invention for—"Improvements in breech-loading guns and rifles, and in cartridges to be used therewith." <i>Provisional protection only.</i>
KENNEDY. 20th February 1866.	520. THOMAS KENNEDY, of Kilmarnock, in the County of Ayr, North Britain, Water Meter Maker, for an invention for—"Improvements in water meters." <i>Letters Patent sealed.</i>
MOORE. 20th February 1866.	521. ALFRED MOORE, of Moore, in the County of Chester, Civil Engineer, for an invention for—"Certain improvements in the method of and means for communicating with and transmitting power from place to place." <i>Letters Patent sealed.</i>
HILL. HILL. 20th February 1866.	522. GEORGE HILL, and DAVID HILL, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in trusses." <i>Letters Patent sealed.</i>
WILLIAMSON. MARREN. 20th February 1866.	523. THOMAS WILLIAMSON, and EDWIN PATRICK MARREN, of Staley Bridge, in the County of Lancaster, for an invention for—"Improvements in valves." <i>Provisional protection only.</i>
WARWICK. 20th February 1866.	524. JOHN ALFRED WARWICK, of the Town and County of Derby, Telegraph Superintendent, for an invention for—"Improvements in railway signals." <i>Letters Patent sealed.</i>
BARRY. 20th February 1866.	525. JAMES BARRY, of Ballyclough, in the County of Cork, J.P., for an invention for—"An improved dye." <i>Letters Patent sealed.</i>
WINBY. WINBY. 20th February 1866.	526. CLIFFORD ETCHES WINBY, and FREDERICK CHARLES WINBY, both of Cardiff, in the County of Glamorgan, Engineers, for an invention for—"Improvements in the construction of railway wheels and in attaching them to their axles, part of which improvements are applicable to other wheels." <i>Provisional protection only.</i>
CHILDS. 20th February 1866.	527. AUGUSTUS BRYANT CHILDS, of No. 481, New Oxford Street, in the County of Middlesex, Engineer, for an invention for—"An improved automatic apparatus for roasting coffee and other substances."— <i>A communication to him from abroad by Abner Baker, of the City, County and State of New York, United States of America.</i> <i>Provisional protection only.</i>
WELLS. 20th February 1866.	528. WILLIAM MIRABEAU WELLS, of No. 15, Passage des Petites Ecuries, Paris, France, Engineer, for an invention for—"A double action harvesting and mowing machine." <i>Provisional protection only.</i>
NEWTON. 20th February 1866.	529. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms and in cartridges for the same."— <i>A communication to him from abroad by Hiram Berdan, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SWIFT. 20th February 1866.	530. HENRY SPINK SWIFT, of Peckham, in the County of Surrey, Gentleman, for an invention for—"Improvements in machinery or apparatus for propelling ships or vessels by hydraulic pressure." <i>Letters Patent sealed.</i>
ROBINSON. 21st February 1866.	531. ARTHUR HENRY ROBINSON, of 85, Haddington Road, County of Dublin, in Ireland, for an invention for—"Improvements in crabs or winches." <i>Provisional protection only.</i>
BONNEVILLE. 21st February 1866.	532. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of tubular boilers."— <i>A communication from Eugène Petry-Chaudoir, Boiler Manufacturer, a person residing at Liège, in the Kingdom of Belgium.</i> <i>Provisional protection only.</i>
GEDGE. 21st February 1866.	533. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction and arrangement of steam-boilers."— <i>A communication to him from abroad by Thomas Mondini, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>

LAKE. 21st February 1866.	534. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in pocket rules."— <i>A communication to him from abroad by Benjamin Green Martin, of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
LAKE. 21st February 1866.	535. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in drills and in chucks for holding and operating the same and similar articles."— <i>A communication to him from abroad by Stephen Ambrose Marse, of New Bedford, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
BROWN. WHEELDON. THOMPSON. 21st February 1866.	536. LUKE BROWN, of Derby, in the County of Derby, Brass Founder, WILLIAM WHEELDON, also of Derby, Engineer, and GEORGE NICHOLAS WILLIAM TUAM THOMPSON, of Derby, aforesaid, Machine Broker, for an invention for—"Improvements in stop cocks." <i>Provisional protection only.</i>
BAYLISS. 21st February 1866.	537. HENRY BAYLISS, of Birmingham, in the County of Warwick, Gun Implementation Manufacturer, for an invention for—"Improvements in brushes or cleaners for cleaning gun barrels and other tubular articles." <i>Provisional protection only.</i>
WEBB. 21st February 1866.	538. WILLIAM WEBB, of Smethwick, in the County of Stafford, Manufacturer, for an invention for—"Improvements in the manufacture of tubes and hollow cylinders, and in the machinery to be employed in the said manufacture." <i>Letters Patent sealed.</i>
SWIFT. 21st February 1866.	539. HENRY SPINK SWIFT, of Peckham, in the County of Surrey, Gentleman, for an invention for—"Improvements in the construction of pumps." <i>Letters Patent sealed.</i>
RICHARDSON. 21st February 1866.	540. BENJAMIN WARD RICHARDSON, of Hinde Street, Manchester Square, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in the means of and apparatus for refrigerating or freezing liquids and for producing ice." <i>Provisional protection only.</i>
DEAKIN. 21st February 1866.	541. WILLIAM DEAKIN, of Great Barr, in the County of Stafford, Ironmaster, for an invention for—"An improved construction of certain parts of metallic chests, strong rooms, safes, deed boxes and such like receptacles." <i>Provisional protection only.</i>
SMALLEY. 21st February 1866.	542. JOHN SMALLEY, of Mellor, near Blackburn, in the County of Lancaster, Manufacturer, for an invention for—"Improvements in looms for weaving a certain class of fabrics." <i>Provisional protection only.</i>
HALL. 21st February 1866.	543. NATHANIEL RICHARD HALL, of Rosherville, in the County of Kent, for an invention for—"Improvements in weighing apparatus." <i>Letters Patent sealed.</i>
NAPIER. 21st February 1866.	544. WILLIAM DONALD NAPIER, M.R.C.S., of George Street, Hanover Square, in the County of Middlesex, for an invention for—"Improvements in fountains." <i>Provisional protection only.</i>
BRUNTON. 22nd February 1866.	545. JOHN DICKINSON BRUNTON, of No. 6, Leighton Crescent, Kentish Town, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of peat fuel and in the machinery employed therein." <i>Letters Patent sealed.</i>
ROBINSON. ROBINSON. SMITH. 22nd February 1866.	546. MATTHEW ROBINSON, and JOHN ROBINSON, of the Globe Works, Accrington, in the County of Lancaster, and WILLIAM SMITH, of Oswaldtwistle, in the same County, for an invention for—"Improvements in reeds used in looms for weaving." <i>Letters Patent sealed.</i>
LEAK. 22nd February 1866.	547. ELIAS LEAK, of Longton, in the County of Stafford, Lathe Maker, for an invention for—"Improvements in driving 'jiggers,' lathes, and throwing-wheels used by potters." <i>Provisional protection only.</i>
WALKER. 22nd February 1866.	548. JOHN WALKER, of Cowper Street, City Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of vessels of war, forts and batteries, and in mounting and working guns therein." <i>Letters Patent sealed.</i>

- BRIGHT.
22nd February 1866.
- CAESARIS.
22nd February 1866.
- LEGENDRE.
22nd February 1866.
- HADDAN.
HADDAN.
23rd February 1866.
- FORDRED.
23rd February 1866.
- CAUMON
or
ABSTERDAM.
23rd February 1866.
- PASS.
23rd February 1866.
- NUNN.
BROWN.
23rd February 1866.
- PARKER.
23rd February 1866.
- GOODFELLOW.
23rd February 1866.
- TONGUE.
23rd February 1866.
- SAMUELSON.
23rd February 1866.
- HEARSEY.
23rd February 1866.
- DODGE.
23rd February 1866.
- SMITH.
23rd February 1866.
- HOLLY.
23rd February 1866.
549. HENRY BRIGHT, of 2, Union Parade, Leamington, in the County of Warwick, for an invention for—"Improvements in electric clocks." *Letters Patent sealed.*
550. CLEMENTE DE CAESARIS, of the Grange, Bermondsey, for an invention for—"Improvements in preparing hides and skins for tanning." *Letters Patent sealed.*
551. NARCISSE LEGENDRE, of Calais, in the Empire of France, Lace Manufacturer, for an invention for—"Improvements in the manufacture of lace, gauze, net or elastic fabrics of that description." *Provisional protection only.*
552. JOHN COOPE HADDAN, of Bessborough Gardens, Pimlico, in the County of Middlesex, and HERBERT JOHN HADDAN, of Lupus Street, Pimlico, aforesaid, Civil Engineers, for an invention for—"Improvements in iron safes." *Letters Patent sealed.*
553. JOHN FORDRED, of Blackheath, in the County of Kent, Gentleman, for an invention for—"Improvements in the treatment of certain products obtained in the refining of petroleum and of other hydro-carbon oils." *Provisional protection NOT granted.*
554. CYRILLE JEAN CAUMON (also known as JOHN ABSTERDAM), of the City of Toulouse, France, Scientific and Mechanical Engineer, at present a resident of the City, County, and State of New York, United States of America, for an invention for—"Manufacturing iron and steel, and the alloyage of metals, together with preparing ores for the same." *Complete specification; Letters Patent sealed.*
555. JAMES PASS, of the firm of Messieurs Gatenby and Pass, Reed, Reed Wire and Crinoline Steel Manufacturer, for an invention for—"Improvements in the manufacture of elastic reeds and combs for weaving and other purposes." *Provisional protection only.*
556. WILLIAM NUNN, of 179, Saint George Street, in the County of Middlesex, Lamp Maker, and CHARLES WILLIAMS BROWN, of Deptford, in the County of Kent, Clerk, for an invention for—"Improvements in ships' binnacle lamps." *Letters Patent sealed.*
557. JAMES PARKER, of No. 6, Lilford Road, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in engines and apparatus for obtaining motive-power, and for using the foul air in mines as fuel." *Provisional protection only.*
558. JACOB GOODFELLOW, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Improvements in pump buckets for lifting water, air or other fluids." *Provisional protection only.*
559. WILLIAM TONGUE, of Wakefield, in the County of York, Engineer, for an invention for—"Improvements in machinery for preparing fibrous materials for combing or spinning." *Letters Patent sealed.*
560. MARTIN SAMUELSON, of Hull, in the County of York, Engineer, for an invention for—"Improvements in the construction of ships with a view to the saving of life at sea." *Provisional protection only.*
561. JOHN FULLECK HEARSEY, of Park Place, Church Street, Brompton, in the County of Middlesex, Gentleman, for an invention for—"An improved construction of spirit meter."—*A communication to him from abroad by Edward Payne, of Montreal, Canada.* *Provisional protection only.*
562. JAMES DODGE, of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in apparatus for tempering saws and other articles capable of being tempered between two heated surfaces." *Letters Patent sealed.*
563. THOMAS JONES SMITH, of Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam-engines." *Provisional protection only.*
564. JOHN HOLLY, of Regent Street North, Blackwall, in the County of Middlesex, for an invention for—"Improvements in railway brakes." *Provisional protection only.*

MILBURN. BAXTER. 23rd February 1866.	565. ROBERT MILBURN, junior, of Tulse Hill, Brixton, and WILLIAM HENRY BAXTER, of Elm Cottage, Brixton Hill, both in the County of Surrey, for an invention for—"Improvements in the treatment of brewers' and distillers' grains." <i>Provisional protection only.</i>
KERR. 23rd February 1866.	566. PETER KERR, of Linside Thread Works, Paisley, for an invention for—"Improvements in arranging and working steam-engine valves."— <i>A communication to him from abroad by Messrs. Hughes and Phillips, persons resident at Newark, New Jersey, United States of America.</i> <i>Provisional protection NOT granted.</i>
FISHER. 23rd February 1866.	567. NICHOLAS FISHER, of Milton, near Blisworth, in the County of Northampton, for an invention for—"Improvements in machinery for cultivating land." <i>Provisional protection only.</i>
DONISTHORPE. 23rd February 1866.	568. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in machinery for combing wool and other fibre." <i>Letters Patent sealed.</i>
RUSSELL. 23rd February 1866.	569. JOHN SCOTT RUSSELL, of Westminster Chambers, Victoria Street, in the County of Middlesex, for an invention for—"Improvements in building ships of war." <i>Provisional protection only.</i>
MATHER. 23rd February 1866.	570. COLIN MATHER, of the Salford Iron Works, Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery for washing yarns, applicable also for washing linen, cotton and other yarns in the hank." <i>Letters Patent sealed.</i>
LEAKE. BECKETT. 24th February 1866.	571. ROBERT LEAKE, of the Strangeways Engraving Works, Manchester, in the County of Lancaster, and JOSEPH BECKETT, of the same place, Machine Superintendent, for an invention for—"Improvements in machinery for engraving and etching rollers and other surfaces." <i>Letters Patent sealed.</i>
RICHMOND. RICHMOND. RICHMOND. 24th February 1866.	572. WILLIAM RICHMOND, Manufacturer, THOMAS RICHMOND, Grocer, and JAMES RICHMOND, Draper, all of Burnley, in the County of Lancaster, for an invention for—"Improvements in the manufacture of healds and reeds or combs, and in the machinery employed therein." <i>Provisional protection only.</i>
BARBER. 24th February 1866.	573. JOSEPH INGALL BARBER, of Sheffield, in the County of York, for an invention for—"Improvements in skates." <i>Complete specification; Letters Patent sealed.</i>
BULLEY. 24th February 1866.	574. THOMAS BULLEY, of Liverpool, in the County of Lancaster, Master Mariner, for an invention for—"Improvements in apparatus for cleaning the bottoms of iron, steel and other navigable vessels, when afloat and in motion, or lying in a stream." <i>Letters Patent sealed.</i>
HASELTINE. 24th February 1866.	575. GEGRGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of railways."— <i>A communication to him from abroad by Asa Bigelow, junior, and Swain Winkley, both of the City, County, and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SPENCER. 24th February 1866.	576. THOMAS SPENCER, of Prescott, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of articles of earthenware and in machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
PETRIE. 24th February 1866.	577. JOHN PETRIE, junior, of Rochdale, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machines for washing wool and other fibrous materials." <i>Letters Patent sealed.</i>
NEWTON. 24th February 1866.	578. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Theodore Thaddeus Sobrieski Laidley, of Springfield, Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>
WINBY. WINBY. 24th February 1866.	579. FREDERICK CHARLES WINBY, and CLIFFORD ETCHES WINBY, both of Cardiff, in the County of Glamorgan, Engineers, for an invention for—"Improvements in the application of power in actuating rolls in rolling metals." <i>Letters Patent sealed.</i>

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| <p>WELCH.
24th February 1866.</p> <p>LEALAND.
24th February 1866.</p> <p>PULVERMACHER.
24th February 1866.</p> <p>HANCOCK.
HANCOCK.
24th February 1866.</p> <p>PRIOR.
24th February 1866.</p> <p>THOMAS.
26th February 1866.</p> <p>EDWARDS.
INIFF.
26th February 1866.</p> <p>PICKIN.
BAILEY.
26th February 1866.</p> <p>JENNINGS.
26th February 1866.</p> <p>TREADWIN.
26th February 1866.</p> <p>GEDGE.
26th February 1866.</p> <p>JOHNSON.
26th February 1866.</p> <p>CLARK.
26th February 1866.</p> <p>RYDBECK.
26th February 1866.</p> <p>GEDGE.
27th February 1866.</p> | <p>580. WILLIAM WELCH, of King Street, Southsea, in the County of Southampton, for an invention for—"Manufacturing and applying argillaceous, calcareous, siliceous and metal composition cements."
<i>Provisional protection NOT granted.</i></p> <p>581. PETER HENRY LEALAND, of Euston Road, in the County of Middlesex, Optician, for an invention for—"Improvements in binocular microscopes."
<i>Letters Patent sealed.</i></p> <p>582. ISAC LOUIS PULVERMACHER, of Oxford Street, in the County of Middlesex, Electrical Engineer, for an invention for—"Improvements in means and apparatus for producing and applying galvanic currents."
<i>Letters Patent sealed.</i></p> <p>583. FREDERICK LAMB HANCOCK, and CHARLES LAMB HANCOCK, of Dudley, in the County of Worcester, for an invention for—"Improvements in driving belts or bands."
<i>Provisional protection only.</i></p> <p>584. WILLIAM HENRY PRIOR, of the Strand, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus applicable as a fire-escape, scaffold lift or other such like useful purpose."
<i>Provisional protection only.</i></p> <p>585. JAMES THOMAS, of No. 23, Everett Street, Battersea, in the County of Surrey, for an invention for—"Improvements in gas-meter indexes."
<i>Provisional protection only.</i></p> <p>586. THOMAS EDWARDS the younger, of Liverpool, in the County of Lancaster, Engineer, and SAMUEL INIFF, of the same place, Builder, for an invention for—"Improvements in apparatus, for registering the number of passengers entering omnibuses and other carriages, which apparatus is also applicable to registering the number of persons passing through barriers of theatres, ferry gates, workshops and other places."
<i>Provisional protection only.</i></p> <p>587. JOSEPH PICKIN, and RICHARD BAILEY, both of Congleton, in the County of Chester, for an invention for—"An improved method of and apparatus for signalling and giving alarm on railways."
<i>Letters Patent sealed.</i></p> <p>588. FRANCIS MONTGOMERY JENNINGS, of the City of Cork, Ireland, Merchant, for an invention for—"Improvements in the preparation of flax, hemp, China grass, jute or other fibrous substances of a similar nature."
<i>Letters Patent sealed.</i></p> <p>589. CHARLOTTE ELIZABETH TREADWIN, of Exeter, Devon, Lace Manufacturer, for an invention for—"Improvements in the manufacture of certain kinds of lace."
<i>Letters Patent sealed.</i></p> <p>590. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved method of agglomerating peat, by which it is rendered suitable for use as fuel in the furnaces of manufactories and in other fire-places."—<i>A communication to him from abroad by Edmund Sharpe, of Paris, in the Empire of France, Civil Engineer.</i>
<i>Provisional protection only.</i></p> <p>591. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of roads and streets."—<i>A communication to him from abroad by Lucien Boilley, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>592. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in pin cartridges."—<i>A communication to him from abroad by Jules Félix Gévelot, Manufacturer, of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> <p>593. SVEN RYDBECK, of the Scandinavian Hotel, 1, Circus, Minories, in the City of London, for an invention for—"Improvements in breech-loading fire-arms."
<i>Provisional protection only.</i></p> <p>594. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved process for extracting the juice from sugar-cane, beetroot and other plants."—<i>A communication to him from abroad by Frederick James Vivian Minchin, of Aska, Madras Presidency, India.</i>
<i>Letters Patent sealed.</i></p> |
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LE'KEUX. WISHART. 27th February 1866.	595. WILLIAM PETER LE'KEUX, Gas Engineer, of 32, Seymour Street, New Town, Deptford, and FREDERICK AUGUSTUS WISHART, Dentist, of Ivy Cottage, Upper Lewisham Road, New Cross, both in the County of Kent, for an invention for—"Improvements in detonating and light signals for railways and other uses." <i>Letters Patent sealed and specification filed by order.</i>
ALLANSON. LOWE. 27th February 1866.	596. WILLIAM ALLANSON, and ROBERT LOWE, of Preston, in the County of Lancaster, for an invention for—"Improvements in shuttles for weaving." <i>Provisional protection only.</i>
HILL. 27th February 1866.	597. CHARLES GREY HILL, of Commerce Square, High Pavement, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in machinery or apparatus for cutting lace fabrics to make them into bonnet or cap fronts." <i>Provisional protection only.</i>
WILSON. 27th February 1866.	598. HENRY WILSON, Manager to Powis, James and Company, of Victoria Works, Belvedere Road, Lambeth, in the County of Surrey, Engineers, for an invention for—"Improvements in sawing machinery." <i>Letters Patent sealed.</i>
YEATES. 27th February 1866.	599. ROBERT YEATES, of No. 233, Hackney Road, in the County of Middlesex, Cutler and Surgical Instrument Maker, for an invention for—"A new or improved travelling knife for opening metal provision cases, and an apparatus to be used therewith." <i>Letters Patent sealed.</i>
ZANNI. 27th February 1866.	600. GEMINIANO ZANNI, of Rathbone Place, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in applying motive-power to sewing-machines, for the purpose of rendering them self-acting." <i>Letters Patent sealed.</i>
FORSYTH. 27th February 1866.	601. JABEZ HENRY FORSHAW, of Barrow-in-Furness, in the County of Lancaster, for an invention for—"Improvements in revolving shutters." <i>Provisional protection only.</i>
MYERS. MYERS. HILL. 27th February 1866.	602. MYER MYERS, and MAURICE MYERS, trading under the style or firm of Myers and Son, Steel Pen Manufacturers, of Birmingham, in the County of Warwick, and WILLIAM HILL, Manager to the said firm, also of Birmingham, aforesaid, for an invention for—"A new or improved apparatus for the use of smokers, parts of which apparatus are applicable to the securing or holding together of cigarette and other papers, as well as securing or connecting together straps and bands." <i>Letters Patent sealed.</i>
ROBERTSON. 27th February 1866.	603. HUGH ROBERTSON, of Motherwell, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of oil and other products from bituminous substances, and in the machinery or apparatus employed therein, which improvements or parts thereof are also applicable to the manufacture of white lead or other pigments." <i>Letters Patent sealed.</i>
EDEN. 27th February 1866.	604. FREDERICK MORTON EDEN, of King's Bench Walk, Temple, in the County of Middlesex, Gentleman, for an invention for—"An improved apparatus for holding and driving cutting and other tools." <i>Provisional protection only.</i>
COLE. 27th February 1866.	605. MAURICE COLE, of Paston Hall, in the County of Northampton, but now residing at Stranraer, North Britain, for an invention for—"Improvements in the construction of street cabs and harness for the same." <i>Provisional protection only.</i>
NEWTON. 27th February 1866.	606. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process of and apparatus for distilling petroleum and other liquid substances." —A communication to him from abroad by John Pericles Vincent, John Stevens Richards, Orange Noble, Charles Harrison Lovrein and Henry Rawle, all of Erie, State of Pennsylvania, and Levi Spaulding Fales, of the City and State of New York, United States of America. <i>Letters Patent sealed.</i>
TRENT. 27th February 1866.	607. JOSEPH TRENT, of Millerton, County of Dutchess, and State of New York, United States of America, for an invention for—"An even-balanced tubular slide valve for steam or other engines." <i>Provisional protection only.</i>
LAKE. 27th February 1866.	608. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in weighing machines." —A communication to him from abroad by George Mayo, of Battle Creek, Michigan, United States of America. <i>Provisional protection only.</i>

HICK. 28th February 1866.	609. JOHN HICK, of the Soho Iron Works, Bolton, in the County of Lancaster, Engineer, for an invention for—"An improved clip for fastening leather or other tips to billiard cues." <i>Letters Patent sealed.</i>
COHN. 28th February 1866.	610. DAVID LEOPOLD COHN, of Islington, in the County of Middlesex, Merchant, for an invention for—"Improvements in breech-loading revolving fire-arms, and in apparatus for extracting cartridges or cartridge cases therefrom."— <i>A communication to him from abroad by Joseph Grünbaum, of Vienna, Austria.</i> <i>Provisional protection only.</i>
BROOMAN. 28th February 1866.	611. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in casting metals and in moulds employed therein."— <i>A communication to him from abroad by François Antoine Marie Boué, of Versailles, France.</i> <i>Provisional protection only.</i>
BRAMPTON. 28th February 1866.	612. FREDERICK BRAMPTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in files or holders for holding letters, invoices and music, and for other like purposes." <i>Provisional protection only.</i>
NORMAN. COPELAND. 28th February 1866.	613. JOHN NORMAN, and JAMES COPELAND, of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in apparatus for producing ice." <i>Letters Patent sealed.</i>
BOOTH. 28th February 1866.	614. JOHN BILLINGTON BOOTH, of Preston, in the County of Lancaster, for an invention for—"Improvements in flyers used in machinery for preparing, spinning or doubling cotton, wool, flax, silk or other fibrous materials." <i>Letters Patent sealed.</i>
DUFRENÉ. 28th February 1866.	615. HECTOR AUGUSTE DUFRENÉ, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"Improvements and new applications in the manufacture of beer and alcoholic liquids."— <i>A communication from Monsieur Charles Tellier, a person resident at No. 21, Rue Boulamvilliers, Passy, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
NEWTON. 28th February 1866.	616. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the process of and apparatus for the distillation of tar and other substances."— <i>A communication to him from abroad by John Pericles Vincent, John Stevens Richards, Orange Noble, Charles Harrison Lovrein and Henry Rawle, all of Erie, Pennsylvania State, and Levi Spaulding Fales, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 28th February 1866.	617. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process of and apparatus for extracting tan, bark, and other vegetable materials."— <i>A communication to him from abroad by Samuel White Pingree, of Lawrence, in the State of Massachusetts, United States of America.</i> <i>Provisional protection only.</i>
COWDERY. 28th February 1866.	618. GEORGE COWDERY, of Cranley, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in machinery for making bricks." <i>Letters Patent sealed.</i>
CLARK. 28th February 1866.	619. RICHARD CLARK, of Canon Farm, Pinner, in the County of Middlesex, Gentleman, for an invention for—"Improvements in signal, street and other lamps, and in gas burners." <i>Provisional protection only.</i>
HENTON. HENTON. 1st March 1866.	620. SAMUEL HENTON, and CHARLES JOHN HENTON, of 268, Westminster Bridge Road, Lambeth, in the County of Surry, Saddlers and Harness Makers, for an invention for—"Improvements in rotary brushes and apparatus for brushing, currying or dressing the skin or hair of animals or hides." <i>Provisional protection only.</i>
DOW. 1st March 1866.	621. JAMES DALY DOW, of Liverpool, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in steam-boiler furnaces." <i>Letters Patent sealed.</i>
POWELL. 1st March 1866.	622. CHARLES POWELL, of Birmingham, in the County of Warwick, Manager, for an invention for—"Improvements in watches and other time-keepers." <i>Letters Patent sealed.</i>

ANDREWS. 1st March 1866.	623. ALFRED CHRISTMAS ANDREWS, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in screw rivets for boot pegs and screw nails for various purposes, and in machinery for the manufacture of screw rivets and screw nails, a part of which improvements in machinery may also be applied to other purposes." <i>Letters Patent sealed; Specification filed by order.</i>
COTTAM. 1st March 1866.	624. EDWARD COTTAM, of Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in hydraulic presses, partly applicable to pumps." <i>Letters Patent sealed.</i>
YOUNG. 1st March 1866.	625. JAMES YOUNG, of Limefield, in the County of Mid Lothian, North Britain, Gentleman, for an invention for—"Improvements in distilling coal shales and other substances, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
SKINNER. 1st March 1866.	626. JAMES SKINNER, of Hebburn, Gateshead-on-Tyne, Naval Architect, for an invention for—"Improvements in steering apparatus." <i>Letters Patent sealed.</i>
WELDON. 1st March 1866.	627. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"A new process for obtaining soda from common salt." <i>Letters Patent sealed.</i>
WELDON. 1st March 1866.	628. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements in the manufacture of soda from common salt." <i>Letters Patent sealed.</i>
WELDON. 1st March 1866.	629. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements in the manufacture of soda from common salt." <i>Provisional protection only.</i>
M ^c PHAIL. 1st March 1866.	630. HUGH M ^c PHAIL, of Nitsill, in the County of Renfrew, North Britain, Agent, for an invention for—"Improvements in raising or lifting and forcing water and other liquids, and in the apparatus or mechanism employed therefor." <i>Provisional protection only.</i>
LAKE. 1st March 1866.	631. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved spike."— <i>A communication to him from abroad by Lewis Alexander Osborn, of the City, County and State of New York, United States of America, Merchant.</i> <i>Letters Patent sealed.</i>
CAULFIELD. 1st March 1866.	632. WILLIAM BEARE CAULFIELD, of 13, Cromwell Buildings, Southwark, in the County of Surrey, Submarine Engineer, for an invention for—"Improvements in chains and apparatus used for submarine purposes." <i>Letters Patent sealed.</i>
LOOMES. 1st March 1866.	633. EDWARD LOOMES, of 18, Russell Grove, Vassall Road, North Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for planting potatoes." <i>Provisional protection only.</i>
CONISBEE. 1st March 1866.	634. WILLIAM CONISBEE, of Herbert's Buildings, Waterloo Road, in the County of Surrey, for an invention for—"Improvements in machinery for grinding and equalizing the thickness of lithographic stones." <i>Letters Patent sealed.</i>
ROGERS. 2nd March 1866.	635. WILLIAM ROGERS, Merchant, of Newport, Monmouthshire, for an invention for—"Certain improvements in the construction of the permanent way of railways." <i>Provisional protection only.</i>
EVELYN. 2nd March 1866.	636. GEORGE PALMER EVELYN, of the Army and Navy Club, Pall Mall, in the County of Middlesex, Lieutenant-Colonel in the Army, for an invention for—"Improvements in the construction of projectiles for ordnance and fire-arms." <i>Provisional protection only.</i>
CARPENTER. 2nd March 1866.	637. JAMES CARPENTER, of Carshalton, in the County of Surrey, Watch Maker, for an invention for—"Improvements in keys for watches and clocks, parts of which improvements are applicable to the keys of ordinary locks." <i>Letters Patent sealed.</i>
CLARK. 2nd March 1866.	638. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in steam vessels."— <i>A communication to him from abroad by David Fernando Masnata, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
OTWAY. 2nd March 1866.	639. EDMUND WINDER OTWAY, of Reading, in the County of Berks, Engineer, for an invention for—"Improvements in chaff cutting machines." <i>Letters Patent sealed.</i>

- NEWTON.
2nd March 1866.
640. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for loading waggons with hay, straw and other like products."—*A communication to him from abroad by William Hervey Elliot, of the City of New York, in the United States of America.*
Letters Patent sealed.
- TANSLEY.
2nd March 1866.
641. JAMES TANSLEY, of Bedford, in the County of Bedford, Cabinet Maker, for an invention for—"Improvements in the construction and mounting of safes, part of which improvements is applicable to shutters and doors of buildings where security is required."
Letters Patent sealed.
- LARNAUDÈS.
3rd March 1866.
642. VICTOR LARNAUDÈS, of No. 51, Rue de Clichy, Paris, a Chemist, for an invention for—"A new or improved chemical mixture to be used as a disinfecting and preserving fluid for the cure of disease among cattle and for other purposes."
Letters Patent sealed.
- WALKER.
3rd March 1866.
643. ROBERT WALKER, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for calendering, mangling or finishing."
Letters Patent sealed.
- FRIEND.
3rd March 1866.
644. JOHN WALTER FRIEND, of Freemantle, Southampton, for an invention for—"Improvements in two-wheel vehicles."
Letters Patent sealed.
- CLARK.
3rd March 1866.
645. JOHN CLARK, of Great Western Railway Works, Paddington, in the County of Middlesex, Engineer, for an invention for—"Improvements in railway brakes."
Provisional protection NOT granted.
- PRENTICE.
INGLIS.
3rd March 1866.
646. GEORGE PRENTICE, and ALEXANDER BINNY INGLIS, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the annealing of metallic plates, and in the apparatus or means employed therefor."
Letters Patent sealed.
- DEAKIN.
JOHNSON.
3rd March 1866.
647. WILLIAM DEAKIN, of Great Barr, in the County of Stafford, Ironmaster, and JOHN BAGNALL JOHNSON, of Tettenhall, also in the County of Stafford, Roll Turner, for an invention for—"The application of a certain material, in combination with improved means and appliances, for the manufacture of tubular and hollow cylindrical bodies where great strength and lightness is required."
Provisional protection NOT granted.
- HOSKING.
3rd March 1866.
648. ALBERT HOSKING, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved apparatus or detector for rendering safes secure from burglary."
Provisional protection only.
- SPEAR.
3rd March 1866.
649. JOHN SPEAR, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in the construction of vices."
Provisional protection only.
- POLLIT.
WIGZELL.
3rd March 1866.
650. JOSEPH POLLIT, and EUSTACE WIGZELL, of the firm of Timothy Bates and Company, of Sowerby Bridge, near Halifax, in the County of York, Engineers and Millwrights, for an invention for—"Improved means or apparatus for drying steam, also for heating the feed water of stationary boilers."
Provisional protection only.
- NEWTON.
3rd March 1866.
651. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in operating railway carriage brakes."—*A communication to him from abroad by Samuel McCambridge, of Philadelphia, in the State of Pennsylvania, United States of America.*
Letters Patent sealed.
- COLLEY.
MOSS.
3rd March 1866.
652. EDWARD EDWARDS COLLEY, and WALTER MOSS, both of Fleet Street, in the County of Middlesex, for an invention for—"An improved self-acting card distributor."
Letters Patent sealed.
- CLARK.
3rd March 1866.
653. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in rose engines."—*A communication to him from abroad by Anton Schwitzer and Lewis Schwitzer, both of New York City, United States of America.*
Letters Patent sealed.
- THOMPSON.
3rd March 1866.
654. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in tools for dividing wood into cylinders."
Letters Patent sealed.

STEVENSON. 3rd March 1866.	655. JAMES STEVENSON, of 19, Salisbury Street, Strand, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for perforating rocks to facilitate the formation of tunnels, galleries of mines and for other similar purposes."— <i>A communication to him from abroad by Theophilus Berrens, of the Town of Tarbes, in the Empire of France, Railway Engineer.</i> <i>Provisional protection only.</i>
HILL. 3rd March 1866.	656. CHARLES GREY HILL, of Commerce Square, High Pavement, in the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in ornamenting lace fabrics, and in the machinery or apparatus employed therein." <i>Provisional protection only.</i>
BISCHOFF. 3rd March 1866.	657. JOHN BISCHOFF, of the firm of Messieurs Streckeisen, Bischoff and Company, of 7, New Broad Street, in the City of London, for an invention for—"Certain improvements in steam cultivators, parts of which improvements are applicable to traction engines and to portable engines used for other purposes."— <i>A communication to him from abroad by Robert Creuzbaur, of the City of Austin, in the County of Travis, State of Texas, in the United States of America.</i> <i>Letters Patent sealed.</i>
RAVELLI. 3rd March 1866.	658. CANDIDO RAVELLI, of Turin, in the Kingdom of Italy, now of No. 38, Alfred Place, Bedford Square, in the County of Middlesex, Officer in the "Bersaglieri," for an invention for—"An improved apparatus for saving life at sea, also adapted for use on all occasions to keep persons afloat in water." <i>Provisional protection only.</i>
MENNONS. 5th March 1866.	659. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 8, Southampton Buildings, in the County of Middlesex, and 27, Rue Laffitte, Paris, in the Empire of France, for an invention for—"Improvements in the mode of converting the fibrous residues of certain plants into filaments suitable for the manufacture of textile fabrics, paper pulps and other products."— <i>A communication from Marie Anne Veronique Cauzique, a person resident at Clermont Ferrand, in France.</i> <i>Provisional protection only.</i>
PLAYER. 5th March 1866.	660. JACOB HORT PLAYER, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"An improvement or improvements in the manufacture of phosphorus." <i>Provisional protection only.</i>
STOCKS. 5th March 1866.	661. JAMES STOCKS, of Manningham, near Bradford, in the County of York, Engineer, for an invention for—"An improved superheater for a certain class of steam-boilers known as 'flash firers.'" <i>Provisional protection only.</i>
CREAN. BARR. 5th March 1866.	662. JOHN CREAN, of East Road, City Road, and CHARLES JOSEPH BARR, of Curtain Road, Shoreditch, both in the County of Middlesex, for an invention for—"An improved fire alarm." <i>Provisional protection only.</i>
VÉREL. 5th March 1866.	663. WILLIAM ARISTIDES VÉREL, of the Haugh, Stirling, in the County of Clackmannan, North Britain, Merchant, for an invention for—"An improved apparatus for distilling petroleum and the oils obtained from coal, shale and other like substances." <i>Letters Patent sealed.</i>
STANLEY. 5th March 1866.	664. WILLIAM FORD STANLEY, of 3 and 5, Great Turnstile, Holborn, in the County of Middlesex, Mathematical Instrument Maker, for an invention for—"Improvements in mathematical drawing instruments." <i>Provisional protection only.</i>
HACKETT. 5th March 1866.	665. HENRY HACKETT, of Warrington, in the County of Lancaster, Mechanical Engineer, for an invention for—"An improved safety valve for steam-boilers." <i>Letters Patent sealed.</i>
DAVIES. 5th March 1866.	666. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of portable steam-engines."— <i>A communication to him from abroad by Isidore Nillus the younger, of Paris, Machine Maker.</i> <i>Letters Patent sealed.</i>
GRAY. 5th March 1866.	667. JAMES GRAY, of Glasgow, in the County of Lanark, North Britain, Practical Chemist, for an invention for—"Improved preparations for acting upon sea water or upon hard or impure water, in order to render such water more suitable for use in boilers and otherwise." <i>Letters Patent sealed.</i>
BERRY. 5th March 1866.	668. WILLIAM HENRY BERRY, of Calderdale Iron Works, Sowerby Bridge, near Halifax, in the County of York, Engineer, for an invention for—"Improvements in steam hammers." <i>Letters Patent sealed.</i>

- CLAYTON.
5th March 1866.
669. THOMAS CLAYTON, of Manchester, for an invention for—"Improvements in apparatus employed in producing illuminating gas from inflammable and volatile liquids."
Letters Patent sealed.
- LECLANCHÉ.
5th March 1866.
670. GEORGE LIONEL LECLANCHÉ, Civil Engineer, of 13, Rue Gaillon, Paris, for an invention for—"Improvements in piles for generating electricity."
Letters Patent sealed.
- SIEMENS.
5th March 1866.
671. CHARLES WILLIAM SIEMENS, of Great George Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"Improvements in the manufacture of zinc, and in the construction of furnaces connected therewith, which latter improvements are also applicable to other metallurgical processes."
Letters Patent sealed.
- NEWTON.
5th March 1866.
672. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved process of bleaching."—*A communication to him from abroad by John Jordan Eckel, Isaac Smith Schuyler and James Waring Gillies, all of New York, in the United States of America.*
Provisional protection only.
- NEWTON.
5th March 1866.
673. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of ordnance."—*A communication to him from abroad by James Tyler Ames, of Chicopee, in the State of Massachusetts, United States of America.*
Letters Patent sealed.
- HAWORTH.
PARRINGTON.
HUDSON.
6th March 1866.
674. GEORGE HAWORTH, Manager, THOMAS PARRINGTON, Tape Sizer, and WILLIAM HUDSON, Joiner, all of Preston, in the County of Lancaster, for an invention for—"An improved composition or preparation for sizing cotton, linen or woollen yarns, and other similar substances."
Letters Patent sealed.
- ALLERTON.
6th March 1866.
675. REUBEN GERMAN ALLERTON, of the City and State of New York, United States of America, for an invention for—"An improvement in the manufacture of waterproof paper."
Provisional protection only.
- BROADBENT.
6th March 1866.
676. JOHN BROADBENT, of Dawson's Croft Mill, Salford, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in machinery and apparatus for winding and reeling yarn."
Letters Patent sealed.
- HENRY.
6th March 1866.
677. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in fire-arms."—*A communication to him from abroad by Pierre Joseph Jarre, of 33, Boulevard Saint Martin, Paris, France.*
Letters Patent sealed.
- RIMMEL.
6th March 1866.
678. EUGENE RIMMEL, of the Strand, in the City of Westminster, Perfumer, for an invention for—"An improvement in portable fountains."
Letters Patent sealed.
- DONALDSON.
6th March 1866.
679. ROBERT DONALDSON, of 33, Lower Belgrave Place, Pimlico, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for signalling on railway trains."
Provisional protection only.
- LAKE.
6th March 1866.
680. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for making bolts, rivets, spikes and other similar articles."—*A communication to him from abroad by Lewis Alexander Osborn, of the City, County and State of New York, United States of America, Merchant.*
Letters Patent sealed.
- SOUTAR.
6th March 1866.
681. SAMUEL SOUTAR, of Turnham Green, in the County of Middlesex, for an invention for—"Improved apparatus for cleaning the tubes of steam-boilers."—*A communication to him from abroad by Daniel McDowell, of Kingston, Jamaica.*
Provisional protection only.
- CAMPBELL.
6th March 1866.
682. ARCHIBALD CAMPBELL CAMPBELL, of Blythswood, in the County of Renfrew, North Britain, Lieutenant-Colonel, late of Her Majesty's Scots Fusilier Guards, for an invention for—"Improvements in superheating steam and in apparatus connected therewith."
Provisional protection only.
- NORMAN.
6th March 1866.
683. JOHN NORMAN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for reburning and in apparatus for washing animal charcoal or charcoal substitutes."
Letters Patent sealed.

NEWTON. 6th March 1866.	684. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of and apparatus for working air engines."— <i>A communication to him from abroad by John Bowman Atwater, of Chicago, State of Illinois, United States of America.</i> <i>Letters Patent sealed.</i>
CHUBB. 6th March 1866.	685. JOHN CHUBB, of St. Paul's Churchyard, in the City of London, for an invention for—"Improvements in iron safes and strong rooms." <i>Letters Patent sealed.</i>
BARKER. 6th March 1866.	686. ALFRED BARKER, of 1, Westminster Chambers, Victoria Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture of wadding." <i>Letters Patent sealed.</i>
BOUSFIELD. 6th March 1866.	687. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for making eyelets."— <i>A communication to him from abroad by Thomas Garrick, a person resident at Providence, Providence County, Rhode Island, United States of America.</i> <i>Provisional protection only.</i>
RICHARDS. 6th March 1866.	688. WESTLEY RICHARDS, of Birmingham, for an invention for—"Improvements in breech-loading fire-arms and cartridges." <i>Letters Patent sealed.</i>
STODDART. 7th March 1866.	689. ALFRED STODDART, of Brook Street, Kennington Road, in the County of Surrey, for an invention for—"Improvements in apparatus to be employed in illusory exhibitions." <i>Provisional protection only.</i>
DAVIS. 7th March 1866.	690. HENRY FRANCIS DAVIS, of No. 54, Bayham Street, Camden Town, in the County of Middlesex, for an invention for—"A new chemical process for manufacturing artificial tea." <i>Provisional protection only.</i>
PATTERSON. 7th March 1866.	691. JOHN PATTERSON, of Beverley, in the County of York, Engineer, for an invention for—"Improvements in machinery or apparatus for reducing, pounding and softening hard or tough substances." <i>Provisional protection only.</i>
MACHIN. MACHIN. 7th March 1866.	692. WILLIAM MACHIN, Miller, and SAMUEL MACHIN, Farmer, both of Charlton Hill, in the County of Salop, for an invention for—"An improved apparatus for cleaning ships' sides and bottoms." <i>Letters Patent sealed.</i>
RANDLE. 7th March 1866.	693. GEORGE RANDLE, of No. 125, Vauxhall Walk, Lambeth, in the County of Surrey, for an invention for—"Improvements in apparatus for conveying tidings of the loss or distress of vessels at sea, also applicable for conveying lines on shore from stranded vessels." <i>Letters Patent sealed.</i>
PRICE. 7th March 1866.	694. GEORGE PRICE, of Wolverhampton, in the County of Stafford, Iron Safe and Lock Manufacturer, for an invention for—"Improvements in the construction of wrought-iron safes." <i>Letters Patent sealed.</i>
ROBERTS. ROBERTS. 7th March 1866.	695. EDWIN ROBERTS, and HENRY ROBERTS, both of Denshanger, in the County of Northampton, Engineers, for an invention for—"Improvements in mills for grinding wheat and other grain." <i>Provisional protection only.</i>
BALDWIN. 7th March 1866.	696. AARON CHARLES BALDWIN, of Boston, State of Massachusetts, in the United States of America, for an invention for—"Improvements in rotary steam-engines." <i>Complete specification; Letters Patent sealed.</i>
CHANDLER. 7th March 1866.	697. HENRY CHANDLER, of the firm of Messieurs Richmond and Chandler, of Salford, in the County of Lancaster, Agricultural Implement Makers, for an invention for—"Improvements in screw keys or spanners." <i>Letters Patent sealed.</i>
THOMSON. 7th March 1866.	698. WILLIAM THOMSON, of the Railway Foundry, Normanton, in the County of York, for an invention for—"Improvements in the manufacture of railway crossings." <i>Letters Patent sealed.</i>
BOUSFIELD. 7th March 1866.	699. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus used in expanding boiler tubes."— <i>A communication to him from abroad by Richard Dudgeon, a person resident at New York, United States of America.</i> <i>Letters Patent sealed.</i>
PRIDEAUX. 8th March 1866.	700. THOMAS PRIDEAUX, of Sheffield, in the County of York, Hotel Keeper, for an invention for—"Improvements in puddling and converting furnaces." <i>Letters Patent sealed.</i>

ATKINSON. 8th March 1866.	701. WILLIAM ATKINSON, of the Eagle Foundry, in the Town and County of Northampton, for an invention for—"Improvements in apparatus employed in casting in metals and other materials, and in the means employed for forming such apparatus." <i>Provisional protection only.</i>
WILLANS. 8th March 1866.	702. JACOB GEOGHEGAN WILLANS, of No. 9, St. Stephen's Crescent, Bayswater, for an invention for—"Improvements in puddling iron and in apparatus employed therein." <i>Letters Patent sealed.</i>
DONISTHORPE. 8th March 1866.	703. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in machinery for cutting coal." <i>Letters Patent sealed.</i>
SCHOONMAKER. 8th March 1866.	704. SYLVESTER FRANKLIN SCHOONMAKER, of the City, County and State of New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in dredging and elevating machinery." <i>Letters Patent sealed.</i>
TOMLINSON. 8th March 1866.	705. JAMES TOMLINSON, of Liverpool, in the County of Lancaster, Licensed Victualler, for an invention for—"Improved means for indicating the quantities of liquids contained in casks and other vessels." <i>Provisional protection only.</i>
BROWN. 8th March 1866.	706. SAMUEL SHAW BROWN, of Runcorn, in the County of Chester, Lint Manufacturer, for an invention for—"Improvements in gas burners." <i>Provisional protection only.</i>
HUNT. 8th March 1866.	707. JOHN HUNT, of Porthleven, in the County of Cornwall, Gentleman, for an invention for—"Improved arrangements of mechanism for washing and separating ores." <i>Letters Patent sealed.</i>
MUSCHAMP. CARD. 8th March 1866.	708. JOHN BELL MUSCHAMP, of Stanhope Villa, Pembroke Road, in the County of Middlesex, Merchant, and JOSEPH WILLIAM CARD, of Somerset Street, in the City of London, Engineer, for an invention for—"Improvements in steam-engines." <i>Provisional protection only.</i>
NORMAN. NORMAN. 8th March 1866.	709. JOHN ABRAHAM NORMAN, and ABRAHAM NORMAN, both of Margaret Street, Cavendish Square, in the County of Middlesex, Goldsmiths and Jewellers, for an invention for—"Improvements in pen and pencil holders or cases." <i>Letters Patent sealed.</i>
RUSS. WEDLAKE. 8th March 1866.	710. WILLIAM RUSS, of Brentwood, in the County of Essex, Engineer, and THOMAS WILLIAM WEDLAKE, of Hornchurch, in the same County, Mechanical Engineer, for an invention for—"Improvements in apparatus for distributing water and liquid manure." <i>Provisional protection only.</i>
TROTMAN. TROTMAN. COLE. 8th March 1866.	711. ADOLPHUS TROTMAN, JOHN TROTMAN, and THOMAS JOHN COLE, all of Camberwell Road, in the County of Surrey, Hair Pin Manufacturers, for an invention for—"Improvements in hair pins." <i>Provisional protection only.</i>
FLEMING. 9th March 1866.	712. WILLIAM FLEMING, of Landport, in the County of Hants, for an invention for—"Improved arrangements for protecting hatchways in ships and vessels." <i>Provisional protection only.</i>
FLETCHER. 9th March 1866.	713. WILLIAM HENRY FLETCHER, of Stockwell, in the Parish of Lambeth, in the County of Surrey, for an invention for—"An improved washing machine." <i>Letters Patent sealed.</i>
HARVEY. 9th March 1866.	714. CHARLES HARVEY, of No. 27, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
DUTERNE. 9th March 1866.	715. VICTOR DUTERNE, of No. 111, Boulevard de Vaugirard, in the City of Paris, in the Empire of France, a Mechanician, for an invention for—"An improved metallic stuffing box." <i>Letters Patent sealed.</i>
PATTISON. BOOTH. 9th March 1866.	716. THOMAS PATTISON, and JOHN BOOTH, both of Reddish, in the County of Lancaster, Mechanics, for an invention for—"Certain improvements in metallic pistons." <i>Provisional protection only.</i>
MOXON. 9th March 1866.	717. THOMAS BEWSHER MOXON, of Stockport, in the County of Chester, Bankers' Clerk, for an invention for—"Certain improvements in safes or similar depositories." <i>Provisional protection only.</i>

MACHATTIE. 9th March 1866.	718. ALEXANDER TAYLOR MACHATTIE, Doctor of Philosophy and Analytical Chemist, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in preservative coatings, and in applying the same to casks, tanks and other vessels." <i>Letters Patent sealed.</i>
HUGHES. 9th March 1866.	719. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in pumps."— <i>A communication to him from abroad by Asher Burr, of Middletown, County of Middlesex and State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
HUGHES. 9th March 1866.	720. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in weighing scales."— <i>A communication to him from abroad by Daniel Hand Wilcox, of New Haven, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
FORSTER. 9th March 1866.	721. EDWARD FORSTER, of Birkenhead, in the County of Chester, Engineer, for an invention for—"Improvements in the construction of side propellers for navigable vessels." <i>Letters Patent sealed.</i>
RESTELL. 9th March 1866.	722. THOMAS RESTELL, of the Laurels, Palace Square, Norwood, in the County of Surrey, for an invention for—"Improvements in breech-loading fire-arms and in cartridges to be used therewith." <i>Letters Patent sealed.</i>
HUMPHREYS. 9th March 1866.	723. HENRY TEMPLE HUMPHREYS, of 28, Westbourne Park Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in reflecting optical instruments." <i>Letters Patent sealed.</i>
MARR. 9th March 1866.	724. JAMES MARR, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in machines used for lithographic printing." <i>Provisional protection only.</i>
HADLEY. 9th March 1866.	725. BENJAMIN HADLEY, of Wednesbury, in the County of Stafford, General Coach Smith, for an invention for—"Certain improvements in bearing springs for carriages and other vehicles." <i>Provisional protection only.</i>
BAKER. 9th March 1866.	726. Lieut.-Colonel JAMES BAKER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in magnetic engines." <i>Provisional protection only.</i>
NEWTON. 9th March 1866.	727. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in the melting of iron."— <i>A communication to him from abroad by Ernest Christian Haserick, of Lake Village, in the State of New Hampshire, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 9th March 1866.	728. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in paddle-wheels for propelling vessels."— <i>A communication to him from abroad by Addison Calvin Fletcher, of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
LARKIN. 9th March 1866.	729. RICHARD LARKIN, of Elm Cottage, Old Brompton Road, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for obtaining light by the combustion of magnesium." <i>Letters Patent sealed.</i>
WALLWORK. 10th March 1866.	730. THOMAS WALLWORK, of Newton Heath, in the County of Lancaster, Clerk, for an invention for—"Certain improvements in machinery or apparatus for computing or reckoning quantities and amounts." <i>Letters Patent sealed.</i>
RICHARDSON. 10th March 1866.	731. CHARLES JAMES RICHARDSON, of No. 34, Kensington Square, Kensington, in the County of Middlesex, for an invention for—"Improvements in arranging steam-boiler and other furnaces, in order to render them more suitable for burning petroleum and like oils." <i>Letters Patent sealed.</i>
PHILLIPS. 10th March 1866.	732. GEORGE PHILLIPS, of Offord Road, Barnsbury, in the County of Middlesex, Analytical Chemist, for an invention for—"Improvements in preparing purple and blue colouring matters." <i>Letters Patent sealed.</i>
MYERS. MYERS. 10th March 1866.	733. WALTER CHRIMES MYERS, and EDWARD MYERS, both of Millbank Row Westminster, in the County of Middlesex, Civil Engineers, for an invention for—"Improvements in the arrangement and construction of meters or apparatus for measuring water or other fluids." <i>Provisional protection only.</i>

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| <p>SIMONS.
10th March 1866.</p> <p>GEDGE.
10th March 1866.</p> <p>GALLAFENT.
10th March 1866.</p> <p>BOYD.
10th March 1866.</p> <p>BOULTON.
10th March 1866.</p> <p>HUNTLEY.
10th March 1866.</p> <p>ASHBERRY.
10th March 1866.</p> <p>JAKINS.
12th March 1866.</p> <p>BONNEVILLE.
12th March 1866.</p> <p>BONNEVILLE.
12th March 1866.</p> <p>MATHIESON.
12th March 1866.</p> <p>MULLIN.
12th March 1866.</p> <p>LINFORD.
12th March 1866.</p> | <p>734. WILLIAM SIMONS, of the Town and County of Renfrew, North Britain, Engineer and Shipbuilder, for an invention for—"Improvements in bolts to be used in the building or construction of ships or vessels." <i>Provisional protection only.</i></p> <p>735. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved manufacture of studs, buttons, ornamental plates and analagous articles used in saddlery and harness, upholstery, military equipments, clothing and for other purposes, making them either of rolled, cast or wrought metal, or of any hard material, such as horn, ivory, gutta-percha, wood or hardened india-rubber, and with two or several shanks or metal fastening rings or prongs."—<i>A communication to him from abroad by Lorenzo Soley, of the firm of Cesare Trippa, of Bologna, Italy.</i> <i>Provisional protection only.</i></p> <p>736. DANIEL GALLAFENT, of Stepney Causeway, in the County of Middlesex, Engineer, for an invention for—"Improvements in pumps." <i>Provisional protection only.</i></p> <p>737. ROBERT ANDREW BOYD, of 11, Duke Street, Southwark, for an invention for—"Improvements in cooling bacon-curing rooms or chambers." <i>Letters Patent sealed.</i></p> <p>738. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, Esquire, for an invention for—"Improvements in generating heat, and in applying it for the production of motive-power and steam, also in apparatus employed therein." <i>Letters Patent sealed.</i></p> <p>739. CHARLES HUNTLEY, of Hackney Wick, in the County of Middlesex, Cricket Ball Manufacturer, for an invention for—"Improvements in cricket balls, racket, tennis and foot balls." <i>Provisional protection only.</i></p> <p>740. PHILIP HENRY ASHBERRY, of Sheffield, in the County of York, Britannia Metal Manufacturer, for an invention for—"Improvements in machinery for the manufacture of articles usually made in Britannia metal, pewter, German or nickel silver and silver, and improvements in the manufacture and ornamentation of such articles, parts of which last-named improvements are also applicable to other purposes." <i>Letters Patent sealed.</i></p> <p>741. STEPHEN JAKINS, of No. 27, Mornington Road, in the County of Middlesex, Railway Guard, for an invention for—"Improved means of preventing the smoking of chimnies and flues, and for the curing of smokey chimnies and flues, and for preventing down draught of chimnies and flues." <i>Provisional protection only.</i></p> <p>742. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improved means of ascertaining the weight and postage of letters."—<i>A communication from Hippolyte Adeon Depieris, a person residing at Rue d'Alger, Paris, in the Empire of France, aforesaid.</i> <i>Provisional protection NOT granted.</i></p> <p>743. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in funnels."—<i>A communication from Marin Chavernot, a person residing at Place Napoleon, Lyons, in the Empire of France, aforesaid.</i> <i>Provisional protection only.</i></p> <p>744. THOMAS ADAM MATHIESON, Tool Manufacturer, of Glasgow and Edinburgh, North Britain, for an invention for—"Improvements in holding devices for boring tools."—<i>A communication to him from abroad by Cyrus Avery, residing at Tenk-hannock, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>745. JOHN HENRY MULLIN, of Liverpool, in the County of Lancaster, Contractor and Manufacturer of Steam Cut Mouldings, for an invention for—"Improvements in sliding shutters for shop and other windows." <i>Provisional protection only.</i></p> <p>746. CHARLES LINFORD, of Leicester, in the County of Leicester, for an invention for—"An improved apparatus for paring, burnishing, polishing or otherwise finishing articles manufactured of leather." <i>Provisional protection only.</i></p> |
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SEVERN. 12th March 1866.	747. GEORGE SEVERN, of Hampstead Road, in the County of Middlesex, Brewer, for an invention for—"Improvements in the means and apparatus employed for evaporating and cooling liquids applicable to various purposes." <i>Provisional protection only.</i>
MACINTOSH. 12th March 1866.	748. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in impervious compounds applicable where india-rubber, gutta-percha or such like resins or gums are used." <i>Letters Patent sealed.</i>
NEWTON. 12th March 1866.	749. ALFRED VINCENT NEWTON, of the Office for Patents, 65, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of gravitating level."— <i>A communication to him from abroad by Henri Arquiene René Moën, of New York City, in the United States of America.</i> <i>Provisional protection only.</i>
SMITH. 13th March 1866.	750. GEORGE HINDES SMITH, of St. Paul's Church Yard, in the City of London, Warehouseman, for an invention for—"An improvement in the manufacture or preparation of substances and materials for polishing metallic and other surfaces." <i>Provisional protection only.</i>
FILLINGHAM. 13th March 1866.	751. SAM FILLINGHAM, of St. Helen's Mills, Leeds, in the County of York, for an invention for—"Improvements in bat frames used in the manufacture of felted cloths." <i>Provisional protection only.</i>
HORSTMANN. 13th March 1866.	752. FREDRICH GUSTAV ADOLPH HORSTMANN, of the City and Borough of Bath, in the County of Somerset, Watch and Clock Maker, for an invention for—"New or improved mechanism for obtaining motive-power, particularly applicable for the self winding of clocks, time pieces and other machinery requiring winding." <i>Provisional protection only.</i>
DEANE. 13th March 1866.	753. WILLIAM FRANCIS DEANE, of Farnworth, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Certain improvements in the treatment and utilization of the residual liquor arising from the production of chlorine gas." <i>Provisional protection only.</i>
JESSOP. WARBURTON. 13th March 1866.	754. JOSEPH JESSOP, of Bradford, in the County of York, Machine Maker, and WILLIAM WARBURTON, of the same place, Pawnbroker, for an invention for—"Improvements in the doors or covers of safes, strong rooms and other receptacles of property, and parts surrounding such doors or covers." <i>Letters Patent sealed.</i>
BOOTH. 13th March 1866.	755. GEORGE BOOTH, of the firm of Thomas Booth and Sons, of Conisbro Mills, near Rotherham, in the County of York, Manufacturers of Reaping Hooks, Sickles and Machine Knives, Timber Merchants and Wood Turners, for an invention for—"Improvements in the manufacture of reaping hooks and sickles." <i>Letters Patent sealed.</i>
BRINJES. 13th March 1866.	756. JOHN FREDERICK BRINJES, of Fieldgate Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery or apparatus for distilling bituminous shale and other bituminous substances of a like nature." <i>Letters Patent sealed.</i>
VULDY. 13th March 1866.	757. JEAN BAPTISTE VULDY, of Mile End Road, in the County of Middlesex, Silk Dyer, for an invention for—"Improvements in steam-boiler and other furnaces." <i>Provisional protection only.</i>
KABERRY. 13th March 1866.	758. LEONARD KABERRY, of Rochdale, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in machinery for preparing fibrous materials, commonly called slubbing, intermediate and roving frames." <i>Letters Patent sealed.</i>
ELDER. 14th March 1866.	759. JOHN ELDER, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements relating to the boilers and engines of steam ships." <i>Letters Patent sealed.</i>
RUSS. HAMMOND. HAMMOND. 14th March 1866.	760. EDWIN RUSS, HENRY HAMMOND, and EDWIN HAMMOND, all of Winchester, in the County of Hants, for an invention for—"Improvements in fire-arms." <i>Provisional protection only.</i>

- YATES.
14th March 1866.
- LÖWENSTEIN.
14th March 1866.
- BELLEVILLE.
14th March 1866.
- VARLEY.
14th March 1866.
- CLARK.
14th March 1866.
- MERRIAM.
14th March 1866.
- BUNNETT.
14th March 1866.
- GUTTERIDGE.
14th March 1866.
- McKENZIE.
15th March 1866.
- MORTON.
15th March 1866.
- LICHTENSTADT.
15th March 1866.
- EVANS.
15th March 1866.
- LOCK.
15th March 1866.
- ROBERTS.
15th March 1866.
- MORSE.
15th March 1866.
- SELBY.
15th March 1866.
- COLE.
15th March 1866.
- GOODWIN.
15th March 1866.
761. JOHN WILLIAM YATES, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in spades, shovels, forks and other similar implements and tools."
Letters Patent sealed.
762. MARTIN LÖWENSTEIN, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in bracelets and in fastenings for bracelets."
Provisional protection only.
763. JULIEN FRANÇOIS BELLEVILLE, of Rue d'Orleans Batignoles, No. 101, at Paris, Civil Engineer, for an invention for—"Improvements in the construction and arrangement of springs."
Letters Patent sealed.
764. JOHN VARLEY, of Bloomfield Road, Plumstead, in the County of Kent, Engineer, for an invention for—"Improvements in drill and other braces, which improvements are also applicable to drilling machines and other apparatus for boring holes."
Provisional protection only.
765. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for ironing and finishing linen and other fabrics."—*A communication to him from abroad by James Lyall and William Lyall, both of the City of New York, in the United States of America.*
Letters Patent sealed.
766. SCOVIL STURGIS MERRIAM, of Springfield, in the State of Massachusetts, in the United States of America, for an invention for—"An improved submarine and torpedo boat."
Letters Patent sealed.
767. EDWIN WILLIAM BUNNETT, of Deptford, in the County of Kent, Engineer, for an invention for—"Improvements in revolving shutters or blinds."
Letters Patent sealed.
768. RICHARD GUTTERIDGE, of London Road, Leicester, in the Borough of Leicester, for an invention for—"Certain improvements in sewing-machines."
Provisional protection only.
769. GEORGE McKENZIE, of Glasgow, in the County of Lanark, North Britain, Cement Manufacturer, for an invention for—"Improvements in obtaining illuminating gas."
Letters Patent sealed.
770. ROBERT MORTON, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in machinery for tunnelling underneath the beds of rivers or watercourses, and through quicksands."
Provisional protection only.
771. ELIZABETH LICHTENSTADT, of Bermondsey Road, in the County of Surrey, for an invention for—"A new or improved lamp, and the materials to be consumed thereby."
Provisional protection only.
772. ORMROD COFFEEN EVANS, citizen of the United States of America, but now temporarily residing at 64, Stanly Road, Ball's Pond Road, Islington, in the County of Middlesex, for an invention for—"Improvements in digging machinery."
Provisional protection only.
773. ALFRED GEORGE LOCK, of Roseland Millbrook, Hampshire, Manure Manufacturer, for an invention for—"Improvements in the manufacture of manures."
Letters Patent sealed; no specification filed.
774. MARTYN JOHN ROBERTS, of Pendarren, Crickhowell, in the County of Brecon, Esquire, for an invention for—"Improvements in protecting iron ships and other submerged structures from corrosion and fouling."
Provisional protection only.
775. MONROE MORSE, of the State of Massachusetts, of the United States of America, for an invention for—"An improved machine for pressing straw hats and bonnets."
Complete specification; Letters Patent sealed.
776. BENJAMIN WILLIAM SELBY, of Parliament Street, Nottingham, Draughtsman, for an invention for—"Improvements in the manufacture of lace in twist lace machines."
Letters Patent sealed.
777. JAMES COLE, junior, of 6, Brookville Terrace, Coventry, for an invention for—"Improvements in the manufacture of elastic gusset webs."
Letters Patent sealed.
778. WILLIAM GOODWIN, of the State of Massachusetts, of the United States of America, for an invention for—"An improved rotary steam-engine."
Provisional protection only.

GHISLIN. 15th March 1866.	779. THOMAS GOULSTON GHISLIN, of Hatton Garden, in the County of Middlesex, Importer, for an invention for—"Improvements in the preparation of peat for the purpose of rendering it applicable to the manufacture of articles which are capable of being produced by stamping, moulding, embossing or rolling." <i>Letters Patent sealed.</i>
HUTCHINSON. JOLLY. 15th March 1866.	780. WILLIAM HUTCHINSON, of Salford, in the County of Lancaster, Engineer, and FREDERIC JOLLY, of Horwich, in the said County, Bleacher, for an invention for—"Improvements in machinery for beetling woven fabrics." <i>Letters Patent sealed.</i>
GOSSAGE. 15th March 1866.	781. FREDERICK HERBERT GOSSAGE, of Widnes, in the County of Lancaster, Chemist, for an invention for—"Improvements in cleaning cotton seeds from fibrous material, and in preparing such seeds for the process of decortication." <i>Letters Patent sealed.</i>
BRIGGS. 16th March 1866.	782. THOMAS BRIGGS, junior, of the City of Manchester, Canvas Manufacturer, for an invention for—"Improvements in machinery and apparatus employed in the manufacture of waterproof and other fabrics." <i>Letters Patent sealed.</i>
FULLER. MARGETTS. 16th March 1866.	783. WILLIAM COLES FULLER, of No. 1, Ironmonger Lane, Cheapside, and JOHN MARGETTS, of 29, Aske St., Hoxton, in the County of Middlesex, for an invention for—"Improvements in certain parts of the apparatus connected with the game of cricket." <i>Provisional protection only.</i>
TONKS. 16th March 1866.	784. EDMUND TONKS, of the firm of William Tonks and Sons, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in casement and other stays." <i>Letters Patent sealed.</i>
BATES. BATES. 16th March 1866.	785. WILLIAM BATES, and FREDERICK BATES, of Sowerby Bridge, in the County of York, Millwrights, Fulling Machine and General Machine Makers, for an invention for—"Improvements in fulling machines." <i>Letters Patent sealed.</i>
MANOCK. 16th March 1866.	786. THOMAS MANOCK, of Acton, near Nantwich, in the County of Chester, Merchant, for an invention for—"Improved apparatus to be employed in the manufacture of cheese." <i>Provisional protection only.</i>
READER. 16th March 1866.	787. THOMAS JOSEPH READER, of 17 and 20, Cullum Street, Fenchurch Street, in the City of London, for an invention for—"Improvements in force pumps." <i>Letters Patent sealed.</i>
PILLING. 16th March 1866.	788. ALTHAM PILLING, of Anvil Street, Blackburn, in the County of Lancaster, Mechanic, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
JOHNSON. 16th March 1866.	789. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Christian Sharps, of Philadelphia, Pennsylvania, and Horace Edward Dimick, of St. Louis, Missouri, both in the United States of America.</i> <i>Letters Patent sealed.</i>
WETHERED. 17th March 1866.	790. EDWIN ROBERT WETHERED, at present stationed at Belfast, in the County of Antrim, in Ireland, Major in the Army and Paymaster of Her Majesty's Tenth Depot Battalion, for an invention for—"A new and improved method of indicating the shot mark on a target at ball practice." <i>Letters Patent sealed.</i>
BARLOW. 17th March 1866.	791. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Certain improvements in the construction of fans or blowers."— <i>A communication to him from abroad by George Leach, of Elmira, in the County of Chemung, and State of New York, in the United States of America.</i> <i>Provisional protection only.</i>
SAGAR. KEIGHLEY. 17th March 1866.	792. THOMAS SAGAR, and GEORGE KEIGHLEY, both of Burnley, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in the construction of safes." <i>Letters Patent sealed.</i>
DANCER. 17th March 1866.	793. WILLIAM DANCER, of Cornbrook, Hulme, in the County of Lancaster, Chemist, for an invention for—"Improvements in dyeing and printing textile fabrics or yarns." <i>Provisional protection only.</i>
SHANKS. 17th March 1866.	794. JOHN SHANKS, of Barrhead, in the County of Renfrew, North Britain, Plumber, for an invention for—"Improvements in steam-boilers and feed-heating and other apparatus connected therewith." <i>Provisional protection only.</i>

BADGER. 17th March 1866.	795. ROLLA BADGER, of Dowgate Hill, in the City of London, for an invention for—"Improvements in shears and scissors." <i>Letters Patent sealed.</i>
BAKEWELL. 17th March 1866.	796. FREDERICK COLLIER BAKEWELL, of No. 6, Haverstock Terrace, Hampstead, in the County of Middlesex, for an invention for—"Improvements in machinery for rolling and straightening cylindrical metallic rods and tubes."— <i>A communication to him from abroad by Joseph Sidney Seaman, of Pittsburgh, Pennsylvania, North America.</i> <i>Letters Patent sealed.</i>
ASHTON. 17th March 1866.	797. ROBERT HOWE ASHTON, of Ashton-upon-Mersey, in the County of Chester, Gentleman, for an invention for—"Improvements in pictures obtained upon paper, glass, porcelain or other surfaces, with transparent or semi-transparent materials." <i>Letters Patent sealed.</i>
HEATON. 17th March 1866.	798. JOHN HEATON, of Widnes, near Warrington, in the County of Lancaster, Engineer, for an invention for—"Improvements in the conversion of cast iron into steel, and in the means or apparatus employed therein." <i>Letters Patent sealed.</i>
HINTON. 17th March 1866.	799. FREDERIC HINTON, of Lyme-Regis, in the County of Dorset, Gentleman, for an invention for—"Improvements in safes or receptacles for containing and securing valuable property." <i>Letters Patent sealed.</i>
JEYES. 17th March 1866.	800. OLIVER WELDON JEYES, of Stockton-on-Tees, in the County of Durham, for an invention for—"An improvement in the manufacture of ice to fit it for making effervescing drinks." <i>Provisional protection only.</i>
STANDISH. 17th March 1866.	801. CHARLES WILLIAM STANDISH, of Broadhinton Road, Clapham, in the County of Surrey, Engineer, for an invention for—"Improvements in stoppering bottles." <i>Provisional protection only.</i>
THOMPSON. 17th March 1866.	802. NATHAN THOMPSON, of No. 15, Abbey Gardens, St. John's Wood, in the County of Middlesex, for an invention for—"Improvements in the manufacture of boxes." <i>Provisional protection only.</i>
MICHAUD. 17th March 1866.	803. PIERRE MICHAUD, of Nelson Square, Blackfriars, in the County of Surrey, Machinist, for an invention for—"Improvements in the manufacture of railway wheels and in apparatus for the same, which apparatus is also applicable for the manufacture of railway buffers." <i>Provisional protection only.</i>
ZANNI. 17th March 1866.	804. GEMINIANO ZANNI, of Rathbone Place, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in apparatus for obtaining motive-power." <i>Provisional protection only.</i>
HIGGINBOTTOM. 19th March 1866.	805. JOHN HIGGINBOTTOM, Paper Hanging Manufacturer, of the Heywood, Higginbottom, Smith and Company Limited, Paper Staining Works, Hyde Road, in the City of Manchester, for an invention for—"Improvements in the construction of brushes for polishing paper prepared for the manufacture of paper hangings." <i>Provisional protection only.</i>
SYLVEN. 19th March 1866.	806. THOMAS GEORGE SYLVEN, of Bedford Street, Strand, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in breech-loading guns." <i>Letters Patent sealed.</i>
BEACHER. GILLOTT. 19th March 1866.	807. EDWARD BEACHER, of Chapeltown, near Sheffield, in the County of York, Colliery Viewer, and JOHN GILLOTT, of the same place, Engineer, for an invention for—"Improvements in machinery for mining and working coal, minerals, stone and other earthy matters." <i>Letters Patent sealed.</i>
CAMPBELL. MCKINSTRY. WILSON. 19th March 1866.	808. JOHN CAMPBELL, Flax Spinner, SAMUEL MCKINSTRY, Mechanic, and THOMAS WILSON, Mechanic, all of Mossley, Carnmoney, in the County of Antrim, Ireland, for an invention for—"Improvements in machinery for preparing, spinning and twisting flax, cotton, wool and other fibrous substances." <i>Letters Patent sealed.</i>
CHAMBERS. 19th March 1866.	809. JAMES CHAMBERS, of Blenheim House, Clarendon Road, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for laying veneers on to mouldings and other surfaces." <i>Provisional protection only.</i>

GEDGE. 19th March 1866.	810. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved pneumatic steam dredging machine."— <i>A communication to him from abroad by Emilio Musciacco, of Brindisi, Italy.</i> <i>Provisional protection only.</i>
FIELD. LLOYD. 19th March 1866.	811. EDWARD FIELD, of Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, and FRANCIS LLOYD, of Hoddesdon, in the County of Hertford, Gentleman, for an invention for—"Improvements in the mode of and apparatus for diffusing moisture and heat through vegetable or other matters." <i>Letters Patent sealed.</i>
ROUTLEDGE. RICHARDSON. RICHARDSON. 19th March 1866.	812. THOMAS ROUTLEDGE, of Ford Works, near Sunderland, Paper Manufacturer, THOMAS RICHARDSON, of the Town and County of Newcastle-upon-Tyne, Chemist, and WILLIAM HENRY RICHARDSON, of Springwell Paper Works, Jarrow-on-Tyne, Paper Manufacturer, for an invention for—"Improvements in treating the waste liquors resulting from the preparation of esparto grass, alfa straw and other fibrous substances, and in purifying the alkali recovered therefrom, and in furnaces or evaporating pans connected therewith." <i>Letters Patent sealed.</i>
OSBORNE. 19th March 1866.	813. CHARLES STANLEY OSBORNE, of Skinner Street, Bishopsgate Street, in the City of London, Civil Engineer, for an invention for—"A new compound applicable to the lining or covering of bearings, steps, axle boxes, journals and other frictional parts of machinery, also to the construction of pulleys, wheel tyres, screw propellers and other like parts of machinery." <i>Letters Patent sealed.</i>
ROLL. 19th March 1866.	814. ALEXANDER ANGUS ROLL, of Coleman Street, in the City of London, Civil Engineer, for an invention for—"Improvements in arranging conduits or channels for the reception of gas, water and other mains, tubes or pipes, and telegraphic wires, also for the conveying away of smoke or noxious vapours from buildings, and for the ventilation of buildings and other places." <i>Letters Patent sealed.</i>
BARLOW. 20th March 1866.	815. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in machinery for spinning and doubling."— <i>A communication to him from abroad by Heinrich Zwanziger and William Henry Rhodes, both of Chemnitz, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
KING. 20th March 1866.	816. HENRY KING, of No. 20, Chester Place, Kennington Road, in the County of Surrey, for an invention for—"Improvements in the construction of coffer dams." <i>Letters Patent sealed.</i>
DICKS. 20th March 1866.	817. WILLIAM DICKS, of Floore, in the County of Northampton, for an invention for—"An improved ratchet-brace, the improvements contained therein being applicable also to lifting-jacks." <i>Provisional protection only.</i>
JONES. HEDGES. 20th March 1866.	818. RALPH AUGUSTINE JONES, and JOHN COOPER HEDGES, both of Aylesbury, in the County of Buckingham, for an invention for—"An improved fire-escape." <i>Letters Patent sealed.</i>
RAMSBOTTOM. 20th March 1866.	819. JOHN RAMSBOTTOM, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Improvements in the means of and apparatus for obtaining motive-power from the compression and expansion of vapors." <i>Provisional protection only.</i>
LAROCHE. 20th March 1866.	820. WILLIAM SILVESTER LAROCHE, of 58, Calthorpe Place, Islington Row, Birmingham, in the County of Warwick, Artist, for an invention for—"Improved means and apparatus for producing new effects in photographic portraiture." <i>Provisional protection only.</i>
NAYLOR. 20th March 1866.	821. WILLIAM NAYLOR, of Lorn Terrace, Mildmay Park, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in the prevention or consumption of smoke." <i>Letters Patent sealed.</i>
BURR. 20th March 1866.	822. ARTHUR RICHARD BURR, of Hales Owen, in the County of Worcester, Civil Engineer, for an invention for—"Improvements in the manufacture of gun and pistol barrels, and in machinery to be employed in the said manufacture." <i>Provisional protection only.</i>
SWAIN. OLDFIELD. 20th March 1866.	823. BENJAMIN SWAIN, and PETER OLDFIELD, both of Laister Dyke, near Bradford, in the County of York, for an invention for—"Improvements in machinery for balling wool or other fibrous materials." <i>Letters Patent sealed.</i>

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| <p>KIRKHAM.
ENSOM.
BROOK.
20th March 1866.</p> <p>WESTMACOTT.
20th March 1866.</p> <p>ALDERSON.
20th March 1866.</p> <p>NEWTON.
20th March 1866.</p> <p>CLARK.
20th March 1866.</p> <p>DENIS.
20th March 1866.</p> <p>WARREN.
20th March 1866.</p> <p>BODMER.
21st March 1866.</p> <p>DALBY.
21st March 1866.</p> <p>STEAD.
21st March 1866.</p> <p>BROOMAN.
21st March 1866.</p> <p>THOMPSON.
GRAYSON.
21st March 1866.</p> <p>PARKER.
ROSSELL.
21st March 1866.</p> <p>ROZIÈRE.
21st March 1866.</p> <p>HENRY.
21st March 1866.</p> | <p>824. THOMAS NESHAM KIRKHAM, of West Brompton, VERNON FRANCIS ENSOM, of Highgate, both in the County of Middlesex, and HIRAM BROOK, of Bucklersbury, in the City of London, for an invention for—"Improvements in apparatus for scouring, washing, bleaching, dyeing and drying fibrous materials in the raw and manufactured state." <i>Letters Patent sealed.</i></p> <p>825. PERCY GRAHAM BUCHANAN WESTMACOTT, of Elswick, Newcastle-on-Tyne, for an invention for—"Improvements in pillar cranes." <i>Letters Patent sealed.</i></p> <p>826. HENRY JAMES ALDERSON, Captain in the Royal Artillery, Shoeburyness, in the County of Essex, for an invention for—"Improvements in hollow projectiles." <i>Provisional protection only.</i></p> <p>827. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the process of and apparatus for distilling petroleum and other mineral oils."—<i>A communication to him from abroad by Edward Braggins, Matthew Patrick Ewing and Hiram Bond Everest, all of Rochester, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>828. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"A new or improved compound or preparation to be used in the treatment of jute and China grass."—<i>A communication to him from abroad by Georges Hanot, Soap Manufacturer, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i></p> <p>829. JULIEN DENIS, of 25, Stamford Street, in the County of Surrey, Merchant, for an invention for—"A new and improved gridiron." <i>Provisional protection only.</i></p> <p>830. FREDERIC PELHAM WARREN, of East Court, Cosham, in the County of Hants, Commander in the Royal Navy, for an invention for—"Improvements in frying-pans or utensils for cooking by frying." <i>Letters Patent sealed.</i></p> <p>831. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Engineer and Patent Agent, for an invention for—"Certain improvements in self-acting mules for spinning."—<i>A communication to him from abroad by Paul Sée and Louis Couvreur, both of Tourcoing, in the Empire of France.</i> <i>Provisional protection only.</i></p> <p>832. SAMUEL DALBY, of Rushton House, Bradford Moor, near Bradford, in the County of York, for an invention for—"Improved means or apparatus for cutting coals and other minerals." <i>Letters Patent sealed.</i></p> <p>833. HORATIO STEAD, of the firm of Elkanah Hoyle and Sons, of Halifax, in the County of York, Millwrights and Machine Makers, for an invention for—"Improvements in apparatus for opening or expanding fabrics during their passage through machinery employed in processes of finishing." <i>Letters Patent sealed.</i></p> <p>834. CLINTON EDGCUMBE BROOMAN, of 166, Fleet Street, in the City of London, for an invention for—"Improvements in projectiles and in cartridges."—<i>A communication to him from abroad by John Webster Cochran, of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>835. JOSEPH THOMPSON, and BENJAMIN GRAYSON, both of Sheffield, in the County of York, carrying on business at Sheffield, aforesaid, under the style or firm of Roger Broadhead and Company, for an invention for—"An improvement in bread plates or dishes." <i>Provisional protection only.</i></p> <p>836. CHARLES HODGSON PARKER, and HENRY ROSSELL, both of Sheffield, in the County of York, for an invention for—"Improvements in vices and in the mode of constructing the same." <i>Letters Patent sealed.</i></p> <p>837. CHARLES ROZIÈRE, Chemist, of 51, Rue de Malte, Paris, in the Empire of France, for an invention for—"Certain improved agents suitable for cleaning and such like purposes." <i>Letters Patent sealed.</i></p> <p>838. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in nautical instruments and other instruments or apparatus of precision for use at sea."—<i>A communication to him from abroad by Jacques Augustin Normand, of Havre, in the French Empire, Shipbuilder.</i> <i>Letters Patent sealed.</i></p> |
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NEWTON. 21st March 1866.	839. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary steam-engines."— <i>A communication to him from abroad by Andreas Herlöv, of Holbek, in the Kingdom of Denmark.</i> <i>Letters Patent sealed.</i>
SAGE. 21st March 1866.	840. FREDERICK SAGE, of Hatton Garden, in the City of London, Show Case Manufacturer, for an invention for—"Improvements in show cases." <i>Provisional protection only.</i>
LEY. 21st March 1866.	841. HENRY WILLIAM LEY, of Bear Street, Leicester Square, in the County of Middlesex, for an invention for—"Improvements in pulleys gearing with chains, and in differential pulley blocks." <i>Provisional protection only.</i>
ELLIOT. 21st March 1866.	842. EDWIN DEMAS ELLIOT, General Manager of the British and Irish Sugar Refining Company, Limited, Plymouth, for an invention for—"Improvements in treating animal charcoal used in refining sugar." <i>Letters Patent sealed.</i>
CHATWOOD. STURGEON. 21st March 1866.	843. SAMUEL CHATWOOD, of Bolton, in the County of Lancaster, Safe and Lock Engineer, JOHN STURGEON, of Burley, near Leeds, in the County of York, Consulting Engineer, and THOMAS STURGEON, of Euston Road, in the County of Middlesex, Draughtsman, for an invention for—"Improvements in indicating and recording the distance run and direction of a ship or vessel, and in apparatus employed therein." <i>Letters Patent sealed.</i>
McNAB. 22nd March 1866.	844. JOHN McNAB, of Midtownfield, in the County of Renfrew, North Britain, Bleacher, for an invention for—"Improvements in means or apparatus for drying and stentering woven fabrics." <i>Letters Patent sealed and specification filed by order.</i>
DIXON. 22nd March 1866.	845. WILLIAM ALLEN DIXON, of Number Twelve, Bartholomew Road, Kentish Town, in the County of Middlesex, Architect, for an invention for—"Improvements in pyroxilin or gun cloth charges for all kinds of fire-arms." <i>Letters Patent sealed.</i>
ABEL. 22nd March 1866.	846. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in jacquard looms for weaving cut pile fabrics double."— <i>A communication to him from abroad by Anton Funk, Carl Emil Becker and August Hoffbauer, all of Berlin, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
JACKSON. 22nd March 1866.	847. JOHN JACKSON, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
RANKIN. 22nd March 1866.	848. HENRY RANKIN, of 49, King William Street, in the City of London, for an invention for—"Improved machinery for the manufacture of bags and envelopes made of paper or other fibrous materials, or woven or textile fabrics, either separately or combined." <i>Provisional protection only.</i>
HARDCASTLE. 22nd March 1866.	849. ROBERT ANTHONY HARDCASTLE, of the Town and County of Newcastle-on-Tyne, for an invention for—"Improvements in apparatus for raising and lowering heavy bodies." <i>Letters Patent sealed.</i>
BURTON. 22nd March 1866.	850. JAMES HENRY BURTON, of Harrogate, in the County of York, Mechanical Engineer, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Letters Patent sealed.</i>
NEWTON. 22nd March 1866.	851. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in apparatus for propelling railway carriages upon inclines."— <i>A communication to him from abroad by Theophile Joseph Finet of Boulevard Beaumarchais, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
MACINTOSH. 22nd March 1866.	852. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in augmenting musical sounds and in apparatus connected therewith." <i>Letters Patent sealed.</i>
CLARK. 22nd March 1866.	853. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in steam pumps."— <i>A communication to him from abroad by Adam Scott Cameron, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>

PETTY. 22nd March 1866.	854. ROBERT PETTY, of 13, Ford Street, Sunderland, in the County of Durham, Grease Manufacturer, for an invention for—"An improvement in the manufacture of ropes." <i>Provisional protection only.</i>
MULLEY. 22nd March 1866.	855. WILLIAM ROBINSON MULLEY, Surveyor to Lloyds' Register of Shipping, Plymouth, for an invention for—"Improvements in closing hatchway skylights of ships and vessels." <i>Provisional protection only.</i>
SYMONDS. 22nd March 1866.	856. THOMAS EDWARD SYMONDS, of No. 10, Adam Street, Adelphi, in the County of Middlesex, Captain in the Royal Navy, for an invention for—"Improvements in the construction of ships and other vessels." <i>Letters Patent sealed.</i>
ARCHDEACON. 22nd March 1866.	857. MONTAGU ARCHDEACON, of 144, York Road, Lambeth, in the County of Surrey, for an invention for—"A new or improved kind of expanding window blinds, cornice poles, blind rollers and other window fittings, also picture rods and stair rods." <i>Letters Patent sealed.</i>
WHITTAKER. LOWE. 23rd March 1866.	858. WILLIAM WHITTAKER, and WILLIAM LOWE, of the Sun Iron Works, Oldham, in the County of Lancaster, for an invention for—"Improvements in lubricating the journals of shafts, which said improvements are also applicable to the lubrication of the bearings of axles used in other machinery." <i>Letters Patent sealed.</i>
BROOMAN. 23rd March 1866.	859. CLINTON EDGCUMBE BROOMAN, of 166, Fleet Street, in the City of London, for an invention for—"A new or improved process of transforming scraps or cuttings of Bessemer steel and other scraps or cuttings of iron, puddled steel and cast steel, into ingots of cast steel."— <i>A communication to him from abroad by Emile Martin and Pierre Emile Martin, of Paris, France.</i> <i>Letters Patent sealed.</i>
MOULTON. 23rd March 1866.	860. STEPHEN MOULTON, of Bradford, in the County of Wilts, India-rubber Manufacturer, for an invention for—"Improvements in the manufacture of springs applicable to railway engines and carriages, buffers and other purposes." <i>Provisional protection only.</i>
WINANS. WINANS. 23rd March 1866.	861. WILLIAM LOUIS WINANS, of Clarges Street, in the County of Middlesex, Gentleman, and THOMAS WINANS, of Baltimore, in the United States of America, but now residing at Clarges Street, aforesaid, Gentleman, for an invention for—"Improvements in steam-engines and boilers." <i>Letters Patent sealed.</i>
NEWTON. 23rd March 1866.	862. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements applicable to the treatment of the substances used in the purification of gas."— <i>A communication to him from abroad by Herr Doctor Deicke, of Mülheim, in the Grand Duchy of Baden.</i> <i>Provisional protection only.</i>
AMOS. ANDERSON. 23rd March 1866.	863. CHARLES EDWARDS AMOS, of the Grove, Southwark, in the County of Surrey, Engineer, and WILLIAM ANDERSON, of Erith, in the County of Kent, Engineer, for an invention for—"An improved mode of treating waste liquors for the dissipating or utilizing of the same." <i>Letters Patent sealed.</i>
WILSON. 23rd March 1866.	864. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms and in cartridges for breech-loading fire-arms and ordnance." <i>Provisional protection only.</i>
IRONMONGER. 23rd March 1866.	865. THOMAS IRONMONGER, of Wolverhampton, in the County of Stafford, Manufacturer, for an invention for—"Improvements in packing for packing pistons and for other like purposes." <i>Letters Patent sealed.</i>
BERRY. BROMLEY. 23rd March 1866.	866. BENJAMIN BERRY the younger, and GEORGE BROMLEY, both of Bradford, in the County of York, for an invention for—"Improvements in screw gill boxes or hackle frames." <i>Letters Patent sealed.</i>
TROTMAN. TROTMAN. COLE. 23rd March 1866.	867. ADOLPHUS TROTMAN, JOHN TROTMAN, and THOMAS JOHN COLE, all of Camberwell Road, in the County of Surrey, Hair Pin Manufacturers, for an invention for—"Improvements in hair and other pins, and in cases for containing the same." <i>Provisional protection only.</i>
ERSKINE. 23rd March 1866.	868. JAMES ERSKINE, of Newton Stewart, in the County of Wigton, North Britain, Gunmaker, for an invention for—"Improvements in apparatus for filling cartridges for breech-loading guns." <i>Letters Patent sealed.</i>

CALVERT. 24th March 1866.	869. FRANCIS ALTON CALVERT, of the City of Manchester, Engineer, for an invention for—"Improvements in machinery and apparatus for cleaning and preparing fibrous substances, and for opening twisted yarns and woven fabrics." <i>Letters Patent sealed.</i>
STIEFFEL. 24th March 1866.	870. PHILIPP STIEFFEL, of No. 65, Page Street, Westminster, in the County of Middlesex, Engineer, for an invention for—"An improved fly for moderating or regulating the movements of wheelwork." <i>Provisional protection only.</i>
BUCKINGHAM. 24th March 1866.	871. JAMES BUCKINGHAM, of Westmoreland House, Walworth, in the County of Surrey, Engineer, for an invention for—"The application and use of a certain material to be employed in admixture with india-rubber, oils, resins or bituminous matters, which combinations may be applied to various useful purposes." <i>Provisional protection only.</i>
NEWTON. 24th March 1866.	872. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of power hammer."— <i>A communication to him from abroad by Philip Syng Justice, of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 24th March 1866.	873. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved pencil for writing or marking upon textile fabrics."— <i>A communication to him from abroad by Edward Augustus Whitney, Henry Roberts and William Bainbridge Hale, all of Northampton, Massachusetts, in the United States of America.</i> <i>Provisional protection only.</i>
NEWTON. 24th March 1866.	874. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in hoisting apparatus."— <i>A communication to him from abroad by Samuel Munson Longley and Andrew Conkey Getty, both of Hudson, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BOUSFIELD. 24th March 1866.	875. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in portfolios and paper files."— <i>A communication to him from abroad by Henry Tillinghast Sisson, of Providence, in the State of Rhode Island, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
MEDHURST. 24th March 1866.	876. JOHN MEDHURST, of 11, Drummond Road, Bermondsey, in the County of Surrey, for an invention for—"Improvements in apparatus for reefing and furling sails of ships and vessels." <i>Letters Patent sealed.</i>
JOHNSTON. RENNIE. 24th March 1866.	877. THOMAS JOHNSTON, and THOMAS WILSON RENNIE, British subjects residing in Copenhagen, for an invention for—"Improvements in arranging or combining the wheels and trams or ways for carriages on common roads." <i>Letters Patent sealed.</i>
NEWTON. 24th March 1866.	878. ROBERT NEWTON, of Lower Providence Mill, near Keighley, in the County of York, for an invention for—"Improved means or apparatus for generating steam in steam-boilers." <i>Letters Patent sealed.</i>
BOGGETT. 24th March 1866.	879. WILLIAM BOGGETT, of Lindsey Row, Chelsea, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of metal bolts and rods for ship building and other purposes." <i>Provisional protection only.</i>
ELEY. 24th March 1866.	880. WILLIAM THOMAS ELEY, of the firm of Eley Brothers, of Gray's Inn Road, in the County of Middlesex, for an invention for—"Improvements in central-fire breech-loading cartridges." <i>Letters Patent sealed.</i>
ADAMS. 24th March 1866.	881. THOMAS ADAMS, of Cannon Street, in the City of London, for an invention for—"Improvements in watch and chronometer cases." <i>Provisional protection only.</i>
SILVER. 24th March 1866.	882. THOMAS SILVER, of the City, County and State of New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of controlling or governing the speed of machinery, more especially applicable to machines for paying out submarine telegraph cables." <i>Letters Patent sealed.</i>

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| <p>MOSELEY.
24th March 1866.</p> <p>MOSELEY.
24th March 1866.</p> <p>MOSELEY,
24th March 1866.</p> <p>RICHARDSON.
TAIT.
26th March 1866.</p> <p>RAMAGE.
NELSON.
26th March 1866.</p> <p>BARBOUR.
26th March 1866.</p> <p>RAWSTHORNE.
BAYLEY.
27th March 1866.</p> <p>SALOM.
27th March 1866.</p> <p>WENNER.
27th March 1866.</p> <p>GEDGE.
27th March 1866.</p> <p>GEDGE.
27th March 1866.</p> <p>WARREN.
27th March 1866.</p> <p>BRACHER.
27th March 1866.</p> <p>LYTTLE.
27th March 1866.</p> <p>HIGGIN.
27th March 1866.</p> | <p>883. WALKER MOSELEY, of Nos. 17 and 18, King Street, Covent Garden, in the County of Middlesex, Electrician, for an invention for—"An improved electrical indicator."
<i>Provisional protection only.</i></p> <p>884. WALKER MOSELEY, of Nos. 17 and 18, King Street, Covent Garden, in the County of Middlesex, Cutler, for an invention for—"Improvements in croquet balls."
<i>Provisional protection only.</i></p> <p>885. WALKER MOSELEY, of Nos. 17 and 18, King Street, Covent Garden, in the County of Middlesex, Electrician, for an invention for—"Improvements in galvanic batteries."
<i>Provisional protection only.</i></p> <p>886. JAMES RICHARDSON, of Holywood, in the County of Dumfries, Mechanic, and JOHN TAIT, of Maxwelltown, in the County of Kirkcudbright, Merchant, for an invention for—"Improvements in breaks or mechanism for retarding and stopping railway and other carriages."
<i>Provisional protection only.</i></p> <p>887. JAMES RAMAGE, and THOMAS NELSON, both of the City of Edinburgh, Gentlemen, for an invention for—"Improvements in the production of blocks and plates for printing."
<i>Letters Patent sealed.</i></p> <p>888. SAMUEL BARBOUR, of Lisburn, in the County of Antrim, and Kingdom of Ireland, for an invention for—"Improvements in machinery for finishing sewing thread or yarn."
<i>Letters Patent sealed.</i></p> <p>889. JAMES RAWSTHORNE, and EDWARD HODSON BAYLEY, both of 42, Newington Causeway, in the Borough of Southwark, in the County of Surrey, Wheelwrights and Contractors, for an invention for—"Improvements in carts for distributing water, liquid manure and other fluids over roads and lands."
<i>Letters Patent sealed.</i></p> <p>890. SALOM HENRY SALOM, of Edinburgh, and also of Regent Street, London, Optician, for an invention for—"Improvements in the construction of goggles to be used for the cure of 'strabismus' or squint, which said improvements are also applicable to the stages of microscopes."
<i>Letters Patent sealed.</i></p> <p>891. CARL WENNER, of Horwich, near Bolton-le-Moore, Lancashire, Civil Engineer, for an invention for—"Improvements in steam turbines."
<i>Provisional protection only.</i></p> <p>892. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A combined arm chair and travelling bag."—<i>A communication to him from abroad by Léandre Paul Quéteu, of Paris, France, Mechanical Draughtsman.</i>
<i>Provisional protection NOT granted.</i></p> <p>893. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"The application of metallic substances upon textile materials in the state of thread."—<i>A communication to him from abroad by Adolphe Benjamin Albert François Joseph Lepoutre-Pollet, of Roubaix (Nord), France, Manufacturer.</i>
<i>Letters Patent sealed.</i></p> <p>894. FREDERIC PELHAM WARREN, of East Court, Cosham, in the County of Hants, Commander in the Royal Navy, for an invention for—"Improved cooking apparatus."
<i>Letters Patent sealed.</i></p> <p>895. JOHN BRACHER, of No. 11, Cannon Street West, in the City of London, Iron Safe Manufacturer, for an invention for—"Improvements in iron safes, strong rooms and doors."
<i>Letters Patent sealed; no specification filed.</i></p> <p>896. WILLIAM ALEXANDER LYTTLE, Officer of the Secretary's Department, General Post Office, London, for an invention for—"Improvements in the means and apparatus for the distillation and rectification of hydrocarbon and other volatile oils."
<i>Provisional protection only.</i></p> <p>897. JAMES HIGGIN, of the City of Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in dyeing and printing textile fabrics and yarns."
<i>Letters Patent sealed.</i></p> |
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LIERNUR. 27th March 1866.	898. CHARLES THIEME LIERNUR, Engineer, of the firm of Lierner, Krepp and Company, American Engineers, of Frankfort-on-the-Maine, for an invention for—"A pneumatic method for the inoffensive removal of all fluids, solids and gases, from waterclosets or privies and their conduits, and of storing said materials so that they may be applied in their natural unchanged form to agriculture and other branches of industry." <i>Letters Patent sealed.</i>
COOPER. 27th March 1866.	899. WILLIAM TEMPLE COOPER, of Oxford Street, in the County of Middlesex, Pharmaceutical Chemist, for an invention for—"Improvements in the treatment for the cure of the venereal disease in the male sex." <i>Provisional protection only.</i>
DIXON. 27th March 1866.	900. WILLIAM DIXON, of Queen's Head Lane, Essex Road, in the County of Middlesex, Carpenter and Joiner, for an invention for—"Improvements in apparatus for turning over the leaves of music." <i>Provisional protection only.</i>
DEAKIN. JOHNSON. 27th March 1866.	901. WILLIAM DEAKIN, of Great Barr, in the County of Stafford, Ironmaster, and JOHN BAGNALL JOHNSON, of Tettenhall, also in the said County, for an invention for—"Certain improvements in gun barrels, ordnance whole or in parts, tubes, shafts and other cylindrical bodies." <i>Letters Patent sealed.</i>
GAMGEE. 27th March 1866.	902. JOSEPH GAMGEE, of the Albert Veterinary College, Bayswater, in the County of Middlesex, Professor of Veterinary Surgery, for an invention for—"Improvements in the manufacture of horse shoes and in the apparatus employed therein." <i>Letters Patent sealed.</i>
GRAYSTOCK. 28th March 1866.	903. ROBERT MAYOR GRAYSTOCK, Mechanic, in the employ of Messieurs Mather and Platt, of Salford, in the County of Lancaster, Millwrights and Engineers, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
JAEGER. 28th March 1866.	904. ADOLPHE ANTOINE JAEGER, of Neilston, near Glasgow, Scotland, Chemist, for an invention for—"A new process for obtaining aniline yellow." <i>Provisional protection only.</i>
RYDER. 28th March 1866.	905. THOMAS RYDER, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved apparatus for mashing malt or grain to be used in the processes of brewing and distilling." <i>Letters Patent sealed.</i>
FOVEAUX. 28th March 1866.	906. HENRY JOSEPH FRANCIS HUBERT FOVEAUX, of 62, Strand, in the City of Westminster, Manufacturer of Surgical Instruments, for an invention for—"An improved apparatus for injecting liquids and applying liquids externally." <i>Provisional protection only.</i>
STOREY. WILSON. 29th March 1866.	907. THOMAS STOREY, of the Town and County of Lancaster, Manufacturer, and WILLIAM VIRGO WILSON, of the East London Chemical Works, Mile End, in the County of Middlesex, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of leather cloth." <i>Letters Patent sealed.</i>
PARKES. PARKES. 29th March 1866.	908. JOHN PARKES the younger, of Oaken Gates, in the County of Salop, Ironmonger, and JAMES PARKES, of Oaken Gates, aforesaid, Ironmonger, for an invention for—"Improvements in apparatus for measuring liquids." <i>Letters Patent sealed.</i>
MYERS. 29th March 1866.	909. MORRIS MYERS, of Saint Pancras, in the County of Middlesex, for an invention for—"An improved apparatus for sifting sugar or flour or other meals, or separating the smaller from the grosser particles in sauces and condiments." <i>Provisional protection only.</i>
BONNEVILLE. 29th March 1866.	910. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in recovering sunken ships or vessels, and in the apparatus relating thereto."— <i>A communication from Ernest Bazin, a person residing at Rue de Provence, Paris, aforesaid.</i> <i>Letters Patent sealed.</i>
NOAKE. 29th March 1866.	911. REUBEN NOAKE, of Wolverhampton, in the County of Stafford, Manager of Works, for an invention for—"Certain improvements in the manufacture of iron safes and other strong boxes." <i>Letters Patent sealed.</i>

LAEE. 29th March 1866.	912. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by George Crompton, of the City and County of Worcester, State of Massachusetts, United States of America.</i> <i>Letters Patent sealed; no specification filed.</i>
KOCHS. REUTER. HENRICI. 29th March 1866.	913. EDWARD KOCHS, of 2, Dartmouth Street, Great Queen Street, Westminster, Civil Engineer, THEODOR REUTER, of the same place, Civil Engineer, and OLAUS HENRICI, Ph.D., of 40, Aylesford Street, Grosvenor Road, County of Middlesex, for an invention for—"Improvements in the construction of bridges, arches and roofs." <i>Letters Patent sealed.</i>
BOUSFIELD. 29th March 1866.	914. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Joshua Gray, a person resident at Medford, in the State of Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
MARTIN. 29th March 1866.	915. JOHN COWDERY MARTIN, of High Street, Barnes, in the County of Surrey, Gelatine Manufacturer, for an invention for—"An improvement in treating bones and in the manufacture of the products thereof." <i>Letters Patent sealed.</i>
STURROCK. 29th March 1866.	916. GEORGE STURROCK, Quartermaster, Royal Engineers, of Woolwich, in the County of Kent, for an invention for—"Improvements in breech-loading and other fire-arms, and in loading rods to be used therewith." <i>Letters Patent sealed.</i>
NEWTON. 29th March 1866.	917. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in apparatus for decorticating rice and other grain."— <i>A communication to him from abroad by Edmond Théodore Ganneron, of Boulevard Beaumarchais, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
CARLE. 29th March 1866.	918. JOHN FREDERIK CHRISTIAN CARLE, of the City of Hamburg, and of No. 3 Leadenhall Street, in the City of London, Gentleman, for an invention for—"Improvements in cramps for the use of joiners and others." <i>Provisional protection only.</i>
PARDOE. 29th March 1866.	919. CHARLES PARDOE, of Brierly Hill, in the County of Stafford, Coke Manufacturer, for an invention for—"Improvements in the construction of coke ovens." <i>Letters Patent sealed.</i>
WRAY. 31st March 1866.	920. WILLIAM WRAY, of 1, Clifton Villas, Highgate Hill, in the County of Middlesex, Practical Optician, for an invention for—"Improvements in achromatic object glasses." <i>Letters Patent sealed.</i>
DAVIS. 31st March 1866.	921. JAMES DAVIS, of 5, Sussex Road, Southsea, in the County of Southampton, Civil Engineer, for an invention for—"An improved method of preventing the putrefactive decomposition of vegetable and animal substances, and utilizing the same for agricultural purposes." <i>Letters Patent sealed.</i>
DAVIS. 31st March 1866.	922. JAMES DAVIS, of 5, Sussex Road, Southsea, in the County of Southampton, Civil Engineer, for an invention for—"Improvements in obtaining caustic alkalis to be used as disinfectants, deoxidizers and decarbonizers, and the means by which the same are to be applied, as also for applying the gases liberated in the process to the conversion of iron into steel, and for the manufacture of manures." <i>Letters Patent sealed.</i>
WHITE. 31st March 1866.	923. GEORGE WHITE, of 68, Queen Street, Cheapside, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for indicating and registering the variations in pressure and working of the steam in the cylinders of steam-engines."— <i>A communication to him from abroad by Mr. Pietro Monte, Professor of Natural Philosophy at the Royal Lyceum, Leghorn, Italy.</i> <i>Provisional protection only.</i>
PENDRY. 31st March 1866.	924. WILLIAM PENDRY, of Wotton, near the City of Gloucester, for an invention for—"Improvements in dynamometric apparatus for relieving and indicating the strain on mooring and towing ropes or cables of ships and other vessels, and for other similar purposes." <i>Letters Patent sealed.</i>

JOHNSON. 31st March 1866.	925. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in bleaching books engravings, paper, cotton and other similar articles and substances."— <i>A communication to him from abroad by Justin Henry David, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HUGHES. 31st March 1866.	926. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in leather splitting machines."— <i>A communication to him from abroad by Amzi Hancan Van Gieson, of Newark, State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
HINESON. 31st March 1866.	927. ROBERT HINESON, of Manchester in the County of Lancaster, Merchant, for an invention for—"An improvement in aerated waters." <i>Letters Patent sealed.</i>
BULLOUGH. 31st March 1866.	928. ADAM BULLOUGH, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in shuttles." <i>Provisional protection only.</i>
BLAIR. 31st March 1866.	929. JOHN BLAIR, of Caledon Mills, Manchester, in the County of Lancaster, for an invention for—"An improvement in shirts." <i>Provisional protection only.</i>
HINDSHAW. 31st March 1866.	930. GEORGE HINDSHAW, of Manchester, in the County of Lancaster, Plumber, for an invention for—"Certain improvements in the construction of safes and other similar depositories." <i>Letters Patent sealed.</i>
READ. 31st March 1866.	931. WILLIAM READ, of Coventry, in the County of Warwick, Watch Manufacturer for an invention for—"Improvements in electro-magnetic power engines."— <i>A communication to him from abroad by William Henry Read, of San Francisco, in the State of California, United States of America.</i> <i>Letters Patent sealed.</i>
MARTIN. VARLEY. VARLEY. 31st March 1866.	932. SAMUEL MANLEY MARTIN, of Harrow-on-the-Hill, in the County of Middlesex, SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, and FREDERICK HENRY VARLEY, of 337, Kentish Town Road, both in the County of Middlesex, Telegraph Engineers, for an invention for—"Improvements in electric telegraphs." <i>Letters Patent sealed.</i>
COLLIS. COLLIS. 2nd April 1866.	933. WILLIAM BLOW COLLIS, and EDWARD JOHN COLLIS, both of Stourbridge, in the County of Worcester, Mining Engineers, for an invention for—"Improvements in coke ovens." <i>Letters Patent sealed.</i>
VAUGHAN. 2nd April 1866.	934. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the methods of solidifying the juice or sap of the bullet tree, otherwise known as balata juice, and the juices or saps of trees yielding similar or analogous elastic products."— <i>A communication to him from abroad by Sydney Rupert Pontifex, F.C.S., of Demerara, in the Colony of British Guiana.</i> <i>Letters Patent sealed.</i>
DERRIEY. 2nd April 1866.	935. JOSEPH JULES DERRIEY, of No. 21, Ancien Chemin de Ronde Ménilmontant, Boulevard Belleville, Paris, in the Empire of France, for an invention for—"Improvements in machinery for the manufacture of lozenges, wafers or pastilles of pasty materials." <i>Letters Patent sealed.</i>
HILL. WHITEHEAD. 2nd April 1866.	936. WILLIAM HILL, of Leeds, in the County of York, Twine and Linen Manufacturer, and THOMAS WHITEHEAD, of the firm of Taylor, Wordsworth and Company, of the same place, Machine Makers, for an invention for—"Improvements in machinery for dressing and polishing yarn, thread, twine, cords or ropes." <i>Letters Patent sealed.</i>
LEGENDRE. 2nd April 1866.	937. NARCISSE LEGENDRE, of Calais, in the Empire of France, Lace Manufacturer, for an invention for—"Improvements in the manufacture of lace, gauze, net or elastic fabrics." <i>Provisional protection only.</i>
GUÉTAT. 2nd April 1866.	938. ANTOINE LOUIS MARIE GUÉTAT, of Lyons, in the Empire of France, Chemist, but now of 66, Chancery Lane, in the County of Middlesex, for an invention for—"An improved process for obtaining colouring matters from aniline." <i>Provisional protection only.</i>
TURNER. 2nd April 1866.	939. CHARLES TURNER, of the Town and County of Southampton, Civil Engineer, for an invention for—"Improvements in apparatus for rotary brushing and rubbing." <i>Letters Patent sealed.</i>

DEWHURST.
2nd April 1866.

940. ROBERT DEWHURST (of the firm of A. W. and R. Dewhurst), of Clitheroe, in the County of Lancaster, Cotton Spinner and Manufacturer, for an invention for—"Improvements in machinery or apparatus to be employed for sizing or dressing yarns or threads." *Provisional protection only.*

BROOKE.
2nd April 1866.

941. EDWARD BROOKE the younger, of Huddersfield, in the County of York, Manufacturer of Sanitary Tubes and other Fire-clay Goods, for an invention for—"Improvements in the construction and arrangement of apparatus and material for effecting the deodorizing of noxious gases arising from sewers and drains, and for the more effectual ventilation of such sewers and drains." *Letters Patent sealed.*

CHEW.
CHEW.
LUCAS.
2nd April 1866.

942. WILLIAM CHEW, Weaver, JOHN CHEW, and WEST JOHN LUCAS, Joiners and Builders, all of Blackburn, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." *Provisional protection only.*

VORS.
2nd April 1866.

943. MARIE PIERRE ERNEST VORS, of Marvejols, Town in the French Empire, for an invention for—"An improved instrument for cleaning pipes used in smoking." *Letters Patent sealed.*

SCHWEITZER.
3rd April 1866.

944. JULIUS SCHWEITZER, of Thornhill Crescent, Islington, in the County of Middlesex, Chemist, for an invention for—"Improvements in the manufacture of pancreatic emulsions of solid and liquid fats and oils." *Provisional protection only.*

DAVIES.
3rd April 1866.

945. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in braiding and weaving machines."—*A communication to him from abroad by Florence Lucas Veerkamp and Charles Francis Leopold, both of Philadelphia, Pennsylvania, in the United States of America.* *Letters Patent sealed.*

ROWAN.
MORTON.
3rd April 1866.

946. JOHN MARTIN ROWAN, of Glasgow, in the County of Lanark, North Britain, and ALEXANDER MORTON, of Kilmarnock, in the County of Ayr, North Britain, for an invention for—"Improvements in the method of and apparatus for ascertaining latitude, longitude and Greenwich time." *Letters Patent sealed.*

CARLIER.
3rd April 1866.

947. CHARLES FREDERIC CARLIER, of Paris, France, Mechanician-electrician, for an invention for—"Improvements in galvanic batteries and in the modes of applying the same to electro-motive power and other engines." *Letters Patent sealed.*

SHAW.
3rd April 1866.

948. CHARLES ALBERT SHAW, of Biddeford, of the County of York, and State of Maine, of the United States of America, for an invention for—"A new knitting machine."—*A communication to him by Jonas Hinkley, a person resident at Norwalk, of the County of Huron and State of Ohio, of the said United States.* *Complete specification; Letters Patent sealed.*

LOCK.
3rd April 1866.

949. ALFRED GEORGE LOCK, of Roseland, Millbrook, Hampshire, for an invention for—"Improvements in the preparation and application of malt grains or brewers' refuse as a manure." *Provisional protection only.*

HASELTINE.
3rd April 1866.

950. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved double action pianoforte."—*A communication to him from abroad by John Joseph Bender, Henry Joseph Bang and George Müller, all of the City, County and State of New York, United States of America.* *Letters Patent sealed.*

NEWTON.
3rd April 1866.

951. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in power looms for weaving."—*A communication to him from abroad by William Breitenstein, of the City and State of New York, United States of America.* *Letters Patent sealed.*

ROBEY.
3rd April 1866.

952. JAMES ROBEY, of Newcastle-under-Lyme, in the County of Stafford, Sugar Refiner, for an invention for—"Improvements in reburning animal charcoal." *Letters Patent sealed.*

PRENTICE.
3rd April 1866.

953. EUSTACE CAREY PRENTICE, of Stowmarket, in the County of Suffolk, for an invention for—"Improvements in preparing and treating gun cotton." *Letters Patent sealed.*

MADDOCKS. DUNN. 4th April 1866.	954. JOHN MADDOCKS, and WILLIAM DUNN, of Manchester, in the County of Lancaster, Mechanics, for an invention for—"Certain improvements in the construction of safes and other similar depositories." <i>Provisional protection only.</i>
WHEELER. 4th April 1866.	955. GEORGE PRINTY WHEELER, of Abinghall, in the County of Gloucester, Engineer, for an invention for—"An improved domestic polishing powder." <i>Letters Patent sealed.</i>
WISE. 4th April 1866.	956. FRANCIS WISE, of the Office for Patents, Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, for an invention for—"Improvements in effecting the combustion of fuel."— <i>A communication to him from abroad by Jacob Bühler and Charles Hamel, both of Munich, in the Kingdom of Bavaria.</i> <i>Letters Patent sealed.</i>
MACAIGNE. 4th April 1866.	957. PIERRE JOSEPH MACAIGNE, of Paris, Rue du Bouloi, No. 8, Merchant, for an invention for—"Improvements in jacquard looms or machinery for weaving." <i>Letters Patent sealed.</i>
HELY. MARSHALL. 4th April 1866.	958. ALFRED AUGUSTUS HELY, of 23, Southampton Terrace, Waterloo Bridge, in the County of Surrey, Seed Crusher, and JOHN MARSHALL, of Greenwich, in the County of Kent, Civil and Mechanical Engineer, for an invention for—"Improvements in hydrostatic presses and in the mode or method of working the same." <i>Letters Patent sealed.</i>
BETTS. 4th April 1866.	959. WILLIAM BETTS, of Wharf Road, City Road, in the County of Middlesex, Capsule Manufacturer, for an invention for—"Improvements in coloring capsules." <i>Letters Patent sealed.</i>
JOHNSON. 4th April 1866.	960. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment of sugar."— <i>A communication to him from abroad by François Joseph Chauvin and Frederic Mathurin Légal the younger, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
SWEETING. 4th April 1866.	961. RICHARD SWEETING, of No. 1, Maryland Villas, Stratford, in the County of Essex, for an invention for—"Improvements in labels for trucks used for the transport of goods and merchandize on railways." <i>Provisional protection only.</i>
HOWITT. 4th April 1866.	962. WILLIAM HOWITT, of Manchester Buildings, Silchester Road, Notting Hill, in the County of Middlesex, for an invention for—"Improvements in the construction of the roofs of horticultural and other buildings and structures." <i>Letters Patent sealed.</i>
HENRY. 4th April 1866.	963. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in apparatus for cutting cork."— <i>A communication to him from abroad by Louis Sauvan, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
NEWTON. 4th April 1866.	964. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of carpets and other goods having a raised terry or pile face."— <i>A communication to him from abroad by the American Waterproof Cloth Company (Incorporated) of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
SIMMONS. 5th April 1866.	965. GEORGE HENRY JAMES SIMMONS, of 41, Stanhope St., Hampstead Road, Middlesex, London, Clerk, for an invention for—"A new kind of self-acting fire alarm to make known the existence of fire in warehouses, factories, dwelling houses and other premises." <i>Provisional protection only.</i>
MARTIN. VARLEY. 5th April 1866.	966. SAMUEL MANLEY MARTIN, of Harrow-on-the-Hill, and SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, both in the County of Middlesex, Telegraph Engineers, for an invention for—"Improvements in train intercommunication, parts of the invention being applicable to other purposes." <i>Letters Patent sealed.</i>
PEARSON. 5th April 1866.	967. EDMUND PEARSON, of Manchester, in the County of Lancaster, Agent, for an invention for—"Certain improvements in wearing apparel." <i>Letters Patent sealed; no specification filed.</i>
JAEGER. 5th April 1866.	968. ADOLPHE ANTOINE JAEGER, of Neilston, near Glasgow, Scotland, Chemist, for an invention for—"A new process for obtaining aniline red." <i>Provisional protection only.</i>

- REBIÈRE.
5th April 1866. 969. FRANÇOIS REBIÈRE, of Saint Pierre les Calais, Town in the French Empire, Manufacturer, for an invention for—"Improvements in bobbin net or lace machinery."
Letters Patent sealed.
- ALLIX.
5th April 1866. 970. GEORGE ALLIX, of Saint Helier's, Jersey, Shipwright, for an invention for—"Improvements in reefing and furling sails and in apparatus connected therewith."
Letters Patent sealed.
- MORGAN.
5th April 1866. 971. RICHARD DOUGLASS MORGAN, of Hay, in the County of Brecon, Engineer, for an invention for—"Improvement in the couplings of railway carriages, trucks or vans."
Provisional protection only.
- RUMBELOW.
5th April 1866. 972. GEORGE RUMBELOW, of Bury St. Edmunds, in the County of Suffolk, for an invention for—"Improvements in troughs for feeding pigs and other animals."
Letters Patent sealed.
- MÜLLER.
5th April 1866. 973. GEORGE MÜLLER, of the City, County and State of New York, United States of America, for an invention for—"An improved carpenter's plane."
Letters Patent sealed.
- RICHARDS.
5th April 1866. 974. SAMUEL RICHARDS, of Crosby House, Bishopsgate Street Within, in the City of London, for an invention for—"Improvements in machinery for boring rocks." *The result partly of a communication to him from abroad by Fritz Abegg, resident at Emmendingen, in the Grand Duchy of Baden, and partly of invention and discovery made by him, the said Samuel Richards.*
Letters Patent sealed.
- PEARCE.
5th April 1866. 975. THOMAS WILLIAM PEARCE, of St. George's Road, New Kent Road, in the County of Surrey, for an invention for—"A new kind of impervious concrete for covering floors or arches, and for other similar purposes."
Provisional protection only.
- ELLISON.
5th April 1866. 976. EDWARD ELLISON, of Manchester, in the County of Lancaster, for an invention for—"An improved method or means to be employed for preventing and curing disease in cattle."
Provisional protection only.
- JOHNSON.
5th April 1866. 977. BENJAMIN JOHNSON, of Ivy Cottage, Kennington Oval, in the County of Surrey, for an invention for—"Improvements in pianofortes."
Letters Patent sealed.
- VIEHOFF.
MATTHIESSEN.
5th April 1866. 978. CHARLES JULLIEN VIEHOFF, of Paris, in the French Empire, and of Montague Place, Russell Square, in the County of Middlesex, Engineer, and JAMES ADOLPHE MATTHIESSEN, of Paris, in the French Empire, Engineer, for an invention for—"Improvements in steering telegraphs or steering indicators and tell-tales."
Letters Patent sealed.
- INGHAM.
5th April 1866. 979. WILLIAM INGHAM, of Armley, near Leeds, in the County of York, Tanner and Leather Dresser, for an invention for—"Improvements in apparatus for fleshing and shaving hides and skins of animals, in the raw, tanned or dressed state."
Provisional protection only.
- COX.
5th April 1866. 980. EDGAR COX, of Weymouth, in the County of Dorset, Photographer, for an invention for—"Improvements in portable dark chambers or tents for the purposes of photographic manipulation in the field, and of containing and transporting the necessary apparatus."
Provisional protection only.
- WALKER.
5th April 1866. 981. FRANK EMSDORFF WALKER, of Waterloo Road, in the County of Surrey, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms."
Letters Patent sealed.
- PHILLIPS.
5th April 1866. 982. WILLIAM HENRY PHILLIPS, of Nunhead, in the County of Surrey, Engineer, for an invention for—"Improvements in rotary pumps."
Letters Patent sealed.
- JOHNSON.
5th April 1866. 983. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the production of white or of semi-transparent glass."—*A communication to him from abroad by Dr. Hugo Kunheim, of Berlin, in the Kingdom of Prussia, Chemical Manufacturer.*
Letters Patent sealed.
- McNAUGHT.
McNAUGHT.
5th April 1866. 984. JOHN McNAUGHT, and WILLIAM McNAUGHT, junior, of Rochdale, in the County of Lancaster, Engineers, for an invention for—"Improvements in machinery for washing and drying wool and other fibrous materials."
Letters Patent sealed.

TAYLOR. HEWETT. 5th April 1866.	985. WILLIAM ROWLAND TAYLOR, of the City of Oxford, Brewer, and GEORGE HEWETT, of the same place, Engineer, for an invention for—"Improvements in the treatment of grain and raw spirit, and in the apparatus employed therein." <i>Provisional protection only.</i>
COLE. 6th April 1866.	986. WILLIAM COLE, of Coventry, in the County of Warwick, Commercial Traveller, for an invention for—"Improvements in the manufacture of elastic fabrics." <i>Letters Patent sealed.</i>
GRÜNE. 6th April 1866.	987. WILHELM GRÜNE, of Berlin, in the Kingdom of Prussia, Chymist, for an invention for—"A new magic photography." <i>Provisional protection only.</i>
FRASER. 6th April 1866.	988. JAMES FRASER, of Liverpool, in the County of Lancaster, Bookbinder, Stationer and Account Book Manufacturer, for an invention for—"An improved system for consecutively numbering checks, and 'making up' or binding check books when so numbered." <i>Provisional protection only.</i>
DE GABLENZ. 6th April 1866.	989. ANTOINE BARON DE GABLENZ, of Berlin, in the Kingdom of Prussia, No. 60, Boulevard de Strasbourg, Paris, in the Empire of France, for an invention for—"Improvements in anti-friction bearings applicable to running shafts and axletrees of machines and vehicles of all descriptions." <i>Provisional protection only.</i>
CHESTERS. 6th April 1866.	990. JOHN CHESTERS, of Prospect Place, Bexley Heath, in the County of Kent, for an invention for—"Improvements in the construction of furnaces for the prevention of smoke." <i>Provisional protection only.</i>
COOKE. 6th April 1866.	991. WILLIAM COOKE, of Grosvenor Road, Stockwell, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in the means of and apparatus for preventing or curing smoky chimnies." <i>Letters Patent sealed; no specification filed.</i>
YOUNG. 6th April 1866.	992. JAMES YOUNG, of Limefield, in the County of Mid Lothian, North Britain, Gentleman, for an invention for—"Improvements in distilling." <i>Letters Patent sealed.</i>
FULLER. 6th April 1866.	993. JIM BILLINGS FULLER, of Norwich, in the State of Connecticut, United States of America, for an invention for—"Improvements in drawing and spinning flax, hemp, china-grass and other fibre, and in the apparatus therefor." <i>Letters Patent sealed.</i>
PATTERSON. 7th April 1866.	994. JOHN PATTERSON, of the City of Manchester, Merchant, for an invention for—"Improvements in the manufacture of double fabrics." <i>Letters Patent sealed.</i>
SCOTT. 7th April 1866.	995. THOMAS SCOTT, of Inverkeithing, North Britain, Engineer, for an invention for—"Improvements in sinking tubes, cylinder or caissons, for the foundations of piers, lighthouses, quay walls and similar structures, and for the sinking of mine shafts and wells." <i>Provisional protection only.</i>
KENDALL. 7th April 1866.	996. CHARLES KENDALL, of 28, High Street, Whitechapel, in the County of Middlesex, Engineer, for an invention for—"Improvements in atmospheric railway breaks and communications." <i>Provisional protection only.</i>
HUGHES. 7th April 1866.	997. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in revolving fire-arms."— <i>A communication to him from abroad by James Benjamin Doolittle and George Otis Downing, of New Haven, State of Connecticut, United States of America,</i> <i>Letters Patent sealed.</i>
BROOMAN. 7th April 1866.	998. CLINTON EDGCUMBE BROOMAN, of Messieurs Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved fastening for gloves and other articles."— <i>A communication to him from abroad by Emile Bertin, of Paris, France.</i> <i>Provisional protection only.</i>
WOOD. 7th April 1866.	999. HAMILTON WOOD, of Osnaburg Street, Regent's Park, in the County of Middlesex, Gentleman, for an invention for—"An improved process and apparatus for producing ornamental surfaces on wood." <i>Provisional protection only.</i>
CLISSOLD. 7th April 1866.	1000. WILLIAM CLISSOLD, of Dudbridge Works, near Stroud, in the County of Gloucester, Engineer, for an invention for—"Improved machinery for feeding wool and other fibres to preparing and carding machines." <i>Letters Patent sealed.</i>

NEWTON. 7th April 1866.	1001. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of and apparatus for casting railway wheels and other articles of cast steel."— <i>A communication to him from abroad by John Blake Tarr, of Chicago, in the State of Illinois, United States of America.</i> <i>Letters Patent sealed.</i>
MUSPRATT. 7th April 1866.	1002. EDMUND KNOWLES MUSPRATT, of Liverpool, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in burning or calcining and preparing for burning or calcining copper, iron and other ores containing sulphur, for the manufacture of sulphuric acid." <i>Provisional protection only.</i>
DAVIES. 7th April 1866.	1003. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in apparatus for heating houses and apartments."— <i>A communication to him from abroad by David Greene Haskins, of Cambridge, Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>
DAVIES. 7th April 1866.	1004. JOHN LACEY DAVIES, of the firm of John Davies and Son, of 4, Saint Ann's Square, Manchester, in the County of Lancaster, Patent Agent, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
GORDON. 7th April 1866.	1005. GEORGE GORDON, of San Francisco, California, at present residing at Morley's Hotel, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in treating animal charcoal." <i>Provisional protection only.</i>
THOMSON. 9th April 1866.	1006. ROBERT WILLIAM THOMSON, of Edinburgh, in the county of Mid-Lothian, North Britain, Civil Engineer, for an invention for—"Improvements in steam gauges, and applicable to other pressure indicators." <i>Letters Patent sealed.</i>
FOSTER. HOLLINRAKE. 9th April 1866.	1007. JAMES FOSTER, of Bury, in the County of Lancaster, Iron Founder, and JOHN HOLLINRAKE, of the same place, for an invention for—"Improvements in moulding pipes, pillars, rollers or other articles of a similar character." <i>Letters Patent sealed.</i>
MACINTOSH. 9th April 1866.	1008. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in docks and apparatus connected therewith, parts of which are applicable to floating structures." <i>Provisional protection NOT granted.</i>
WEATHERDON. 9th April 1866.	1009. BALDWIN FULFORD WEATHERDON, of 77, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in treating lucern root for paper making and weaving purposes, as well as in abstracting soda, salts and coloring matters therefrom."— <i>A communication to him from abroad by Jeane Pierre Caminade, Merchant and Manufacturer, of 106, Rue d'Illiers, Orleans in the Empire of France.</i> <i>Letters Patent sealed.</i>
BAUWENS. 9th April 1866.	1010. FELIX LIEVIN BAUWENS, of Walworth House, Westmoreland Road, Walworth, in the County of Surrey, Manufacturer, for an invention for—"An improved process for recovering cotton waste and similar matters after they have been soiled in cleaning machinery or otherwise." <i>Provisional protection only.</i>
CLARK. 9th April 1866.	1011. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in fastenings for trunks, boxes, bags, valises and other like articles."— <i>A communication to him from abroad by William Shankland Paddock, of Albany, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
MACGEORGE. MACGEORGE. 9th April 1866.	1012. IVIE MACKIE MACGEORGE, and SAMUEL MACGEORGE, of Carnmeen Estate, Newry, Ireland, for an invention for—"A new or improved vertically floated paddle wheel." <i>Letters Patent sealed.</i>
RAWLINGS. REST. 9th April 1866.	1013. WILLIAM RAWLINGS, of Lilliput Lane, in the City of London, Commercial Traveller, and WILHELMUS REST, of Albion Buildings, Aldersgate Street, in the City of London, Silversmith, for an invention for—"Improvements in fastenings for purses, pocket-books, bags, cigar cases, boxes and similar receptacles." <i>Provisional protection only.</i>

JOHNSON. 9th April 1866.	1014. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the apparatus for the treatment of certain fatty and oily substances in order to obtain products therefrom."— <i>A communication to him from abroad by Henri Edouard Renner, of Paris, in the Empire of France, Chemical Manufacturer.</i> <i>Provisional protection only.</i>
SHERMAN. 9th April 1866.	1015. SYLVESTER JUDSON SHERMAN, of the City of Brooklyn, in the State of New York, in the United States of America, for an invention for—"Improvements in the hoops of ladies' skirts, and in the covering of steel springs for the same and analogous uses." <i>Complete specification; Letters Patent sealed.</i>
HOFMANN. 9th April 1866.	1016. PANAJOTA WILHELM HOFMANN, of Dieuze, France, Ph.D., Chemist, for an invention for—"Improvements in separating sulphur from soda waste." <i>Provisional protection only.</i>
DAVIES. 9th April 1866.	1017. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the process of de-sulphuration and in the apparatus employed for such process."— <i>A communication to him from abroad by Amédée François Rémond, of Brussels, in the Kingdom of Belgium.</i> <i>Provisional protection only.</i>
TREGASKIS. 9th April 1866.	1018. THOMAS PHILIP TREGASKIS, of Perranarworthal, Cornwall, for an invention for—"An improved method of clearing, deepening or enlarging rivers or creeks." <i>Letters Patent sealed.</i>
LEAKE. SHIELDS. BECKETT. 10th April 1866.	1019. ROBERT LEAKE, of the Strangeway Engraving Works, Manchester, in the County of Lancaster, WILLIAM SHIELDS, of the same place, Engineer, and JOSEPH BECKETT, of the same place, Machine Superintendent, for an invention for—"Improvements in machinery for engraving and etching rollers and other surfaces." <i>Letters Patent sealed.</i>
LICHTENSTADT. 10th April 1866.	1020. ELISABETH LICHTENSTADT, of Bermondsey Road, in the County of Surrey, for an invention for—"Improvements in the arrangement and construction of lamps suitable for burning volatile oils or spirits, such as benzole or other light hydrocarbon oils."— <i>A communication to her from abroad by Philip Lichtenstadt, of New York, United States of America.</i> <i>Provisional protection only.</i>
LICHTENSTADT. 10th April 1866.	1021. ELISABETH LICHTENSTADT, of Bermondsey Road, in the County of Surrey, for an invention for—"An improved compound volatile oil or spirit for burning in lamps of suitable construction."— <i>A communication to her from abroad by Philip Lichtenstadt, of New York, United States of America.</i> <i>Provisional protection only.</i>
ROBOTHAM. 10th April 1866.	1022. WILLIAM DOUGLAS ROBOTHAM, of Doncaster, in the County of York, Engineer, for an invention for—"Improvements in constructing the foundations and abutments of bridges, piers, jetties, retaining walls and other similar works." <i>Provisional protection only.</i>
SPARROW. POOLE. 10th April 1866.	1023. JAMES SPARROW, and SAMUEL POOLE, both of Frood Iron Works, near Wrexham, in the County of Denbigh, Iron Masters, for an invention for—"Improvements in collecting the heated gases from blast furnaces, so as to utilise the same." <i>Letters Patent sealed.</i>
CLARK. 10th April 1866.	1024. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in crinolines."— <i>A communication to him from abroad by Catherine Vergeat-Meunier, Widow, Crinoline Manufacturer, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
KENNAN. 10th April 1866.	1025. JAMES KENNAN, of the firm of Kennan and Sons, of the City of Dublin, Engineers, for an invention for—"An improved bung-turning lathe." <i>Provisional protection only.</i>
SHINNER. 10th April 1866.	1026. GEORGE WILLIAM SHINNER, of the Strand, in the County of Middlesex, for an invention for—"Improvements in the means of and apparatus for utilizing sewage matters and liquids." <i>Provisional protection only.</i>
SILVER. HAYWARD. 10th April 1866.	1027. STEPHEN WILLIAM SILVER, of Bishopsgate Street Within, in the City of London, Manufacturer, and ALBERT HAYWARD, of Limehouse, in the County of Middlesex, Foreman, for an invention for—"Improvements in receptacles for bottles, eggs and other fragile articles." <i>Provisional protection only.</i>

- FROST.
11th April 1866. 1028. JAMES FROST, of Dudley, in the County of Worcester, Surveyor and Quarry Owner, for an invention for—"Improvements in machinery for breaking stones and crushing ores and other substances." *Letters Patent sealed.*
- YOUNG.
11th April 1866. 1029. WILLIAM YOUNG, of 34, Queen Street, Cheapside, in the City of London, Lamp Manufacturer, for an invention for—"Improvements in and applicable to grates, fire-places and furnaces." *Letters Patent sealed.*
- WISHART.
CAMERON.
11th April 1866. 1030. WILLIAM WISHART, of Glasgow, in the County of Lanark, North Britain, and PETER CAMERON, of Paisley, in the County of Renfrew, North Britain, Manufacturers, for an invention for—"Improvements in apparatus for producing loom-sewed fabrics." *Letters Patent sealed.*
- ERMEN.
11th April 1866. 1031. GODFREY ANTHONY ERMEN, of Eccles, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in machinery or apparatus for preparing and spinning cotton and other fibrous substances." *Letters Patent sealed.*
- CRABTREE.
CRABTREE.
CRABTREE.
11th April 1866. 1032. JAMES CRABTREE, JOSEPH CRABTREE, and JONAS CRABTREE, all of Kidderminster, in the County of Worcester, Worsted Spinners, for an invention for—"Improvements in means or apparatus used in washing or scouring wool and other fibres." *Letters Patent sealed.*
- CROFTS.
11th April 1866. 1033. JOHN CROFTS, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." *Letters Patent sealed.*
- WHITEHEAD.
11th April 1866. 1034. THOMAS KAY WHITEHEAD, of Ilex Mills, Rawtenstall, in the County of Lancaster, for an invention for—"Improvements in apparatus for cleaning the roller beams and fly boards of machinery used for preparing and spinning cotton and other fibrous materials." *Provisional protection only.*
- CLARK.
11th April 1866. 1035. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for drawing off aerated liquids."—*A communication to him from abroad by Pierre Alcide Olivier and Alphonse Brisset, Merchants, both of 29, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- HASELTINE.
12th April 1866. 1036. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved machine for cutting tobacco for chewing and smoking."—*A communication to him from abroad by George Washington Hoglen and Stephen Decator Grafflin, both of Dayton, Ohio, United States of America.* *Complete specification; Letters Patent sealed.*
- ABEL.
12th April 1866. 1037. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved system of drainage for the dwellings of towns and other localities, and apparatus employed in connection therewith."—*A communication to him from abroad by Johann Peter Wilhelm Schmick, Civil Engineer, residing at Frankfurt-on-the-Main, Germany.* *Provisional protection only.*
- BOND.
12th April 1866. 1038. WILLIAM BOND, of Denmark Street, Soho, in the County of Middlesex, Engineer, for an invention for—"Improvements in the slide valves and reversing gear of engines worked by steam, air or gases." *Letters Patent sealed.*
- BRANDON.
12th April 1866. 1039. ALEXANDER HORACE BRANDON, of 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Certain new and useful improvements in springs which are particularly adapted to use as railroad car springs, but may be applied to other purposes."—*A communication to him from abroad by Alexander Watson, of New York, United States of America.* *Complete specification; Letters Patent sealed.*
- HAWORTH.
12th April 1866. 1040. JOHN HAWORTH, of Mode Wheel House, Eccles, in the County of Lancaster, Gentleman, for an invention for—"Improvements in the construction of stables for horses." *Provisional protection only.*
- BODMER.
12th April 1866. 1041. JOHN JAMES BODMER, of Newport, in the County of Monmouth, for an invention for—"Improvements in the treatment of slag or cinder from blast furnaces, copper smelting and other furnaces, and in apparatus employed therein, which improvements are also applicable to certain processes in the manufacture of iron and steel." *Letters Patent sealed.*

CLARK. 12th April 1866.	1042. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for spooling and copping threads or yarns."— <i>A communication to him from abroad by David Grandy, junior, and Emile Queulain, Manufacturers, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
DEVEY. 12th April 1866.	1043. EDWARD DEVEY, of Dudley Port, in the County of Stafford, Engineer, for an invention for—"Improvements in water tuyeres." <i>Provisional protection only.</i>
JAMES. 13th April 1866.	1044. HENRY BENSON JAMES, of Fish Street Hill, in the City of London, Engineer, for an invention for—"Improved adhesive compositions for attaching copper or other sheathing to iron, wood or other ships or vessels." <i>Letters Patent sealed.</i>
CUNNINGHAM. 13th April 1866.	1045. WILLIAM JOHN CUNNINGHAM, of North Crescent, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in means or apparatus employed in drilling and ornamenting metal, wood and other similar substances." <i>Letters Patent sealed.</i>
MACRUM. 13th April 1866.	1046. JAMES MARIUS MACRUM, of 36, Hill Street, Knightsbridge, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the apparatus and processes for tanning."— <i>A communication to him from abroad by James Johnston, of Alleghany City, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
CHATWOOD. STURGEON. 13th April 1866.	1047. SAMUEL CHATWOOD, of Bolton, in the County of Lancaster, Safe and Lock Engineer, and JOHN STURGEON, of Burley, near Leeds, in the County of York, Consulting Engineer, for an invention for—"Improvements in engines for obtaining motive-power." <i>Letters Patent sealed.</i>
CLARK. 13th April 1866.	1048. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in mills for crushing, grinding and other purposes."— <i>A communication to him from abroad by Jean Baptiste Bernard Charles Laurent, Emile Peugeot and Jules Peugeot, Manufacturers, all of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
SWAN. 13th April 1866.	1049. ALEXANDER SWAN, of Kircaldy, in the County of Fife, Manufacturer, for an invention for—"Improvements in apparatus for evaporating or recovering lees." <i>Letters Patent sealed.</i>
BRITTAN. 13th April 1866.	1050. THOMAS BRITTAN, of Tysoe Street, in the County of Middlesex, Telegraph Machinist, for an invention for—"Improvements in telegraphic signalling apparatus." <i>Letters Patent sealed.</i>
FOMBUENA. 13th April 1866.	1051. VALENTIN SILVESTRE FOMBUENA, of No. 3, Rue Paillet, Paris, in the Empire of France, Mechanical Engineer, for an invention for—"Improvements in the construction of sleepers or supports for the rails of railways and for other purposes." <i>Letters Patent sealed.</i>
JEFFERSON. JEFFERSON. JEFFERSON. JEFFERSON. GREENWAY. 13th April 1866.	1052. JOSEPH JEFFERSON, CORNELIUS JEFFERSON, LAZARUS JEFFERSON, MORDECAI JEFFERSON and JOHN GREENWAY, of the firm of Joseph Jefferson and Company, all of Bradford, in the County of York, Machine Makers and Iron Founders, for an invention for—"Improvements in machinery for combing wool or other fibrous materials." <i>Letters Patent sealed.</i>
JAUMENNE. 13th April 1866.	1053. AUGUSTE JAUMENNE, of Sherwood Street, Regent Street, in the County of Middlesex, for an invention for—"An improved process for purifying animal and vegetable oils, and all other kinds of oils, except mineral oils." <i>Provisional protection not granted</i>
HAWDON. HAWDON. HEATHER. 13th April 1866.	1054. WILLIAM HAWDON, WILLIAM MARCH HAWDON and HENRY HEATHER, all of the Town and County of Newcastle-on-Tyne, for an invention for—"Improvements in distributing valves for steam and other engines." <i>Provisional protection only.</i>
GRESHAM. 13th April 1866.	1055. JAMES GRESHAM, of the Atlas Works, in the City of Manchester, and County of Lancaster, Engineer, for an invention for—"Improvements in or applicable to that apparatus for raising and forcing fluids and feeding steam-boilers, known as Giffard's injector." <i>Letters Patent sealed.</i>

- COOPER.
14th April 1866.
1056. THOMAS COOPER the younger, of Wolverhampton, in the County of Stafford, Lock Manufacturer, for an invention for—"Improvements in certain descriptions of locks."
Provisional protection only.
- MURRAY.
JENNINGS.
14th April 1866.
1057. CHARLES HENRY MURRAY, of Loman Street, Southwark, in the County of Surrey, Machinist, and MATHEW JENNINGS, of Durham Lodge, New Cross, in the County of Kent, Miner, for an invention for—"Improved machinery for kneading, compressing, moulding or forming clay or other plastic substances, into bricks, tiles, pipes or other useful or ornamental articles."
Letters Patent sealed.
- GRAY.
14th April 1866.
1058. THOMAS GRAY, late of Mitcham, in the County of Surrey, Bleacher, but now of Union Road, Wandsworth, in the same County, for an invention for—"Improvements in the manufacture of soap or in the preparation of materials applicable to such manufacture, or for dressing or finishing textile fabrics."
Letters Patent sealed.
- JORDAN.
14th April 1866.
1059. JOHN JORDAN, of Liverpool in the County of Lancaster, Engineer, for an invention for—"Improvements applicable to steam-boilers."
Provisional protection only.
- BONNEVILLE.
14th April 1866.
1060. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in beds for invalids and other sick and infirm persons."—*A communication from Madame Sophie Dambrine, Widow Polydore Massiou, a person residing at Avenue de Clichy, Paris, in the Empire of France, aforesaid.*
Provisional protection only.
- BONNEVILLE.
14th April 1866.
1061. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for removing exploded cartridges from breech-loading fire-arms."—*A communication from Charles Victor Plumerel, a person residing at Vincennes, in the Empire of France, aforesaid.*
Letters Patent sealed.
- BLUNDELL.
14th April 1866.
1062. GEORGE THOMAS BLUNDELL, of No. 7, Conant Place, West India Dock Road, Limehouse, in the County of Middlesex, for an invention for—"Improvements in screw valves for waterclosets."
Provisional protection only.
- LEGGE.
14th April 1866.
1063. RICHARD BRABASON LEGGE, of Elmfield House, Kilburn Square, in the County of Middlesex, for an invention for—"A new or improved mode of printing patterns on dyed silks and all kinds of dyed goods."—*A communication to him from abroad by Pierre Courmons, of Rue St. Chatrine, No. 24, Malines, Belgium.*
Provisional protection only.
- SCHOONMAKER.
14th April 1866.
1064. SYLVESTER FRANKLIN SCHOONMAKER, of Great Russell Street, Bloomsbury, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for breaking stones, ores and other hard substances."
Provisional protection only.
- ADAMS.
16th April 1866.
1065. JOSIAH ADAMS, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in sash fasteners."
Provisional protection only.
- ZIMMERMANN.
16th April 1866.
1066. JOHN ULRICH ZIMMERMANN, of Birmingham, in the County of Warwick, Merchant, for an invention for—"Improvements in breech-loading fire-arms."—*A communication to him from abroad by Johann Jacob Peter, of Stuttgart, Württemberg.*
Provisional protection only.
- RICHARDSON.
16th April 1866.
1067. CHARLES RICHARDSON, of No 75, Gracechurch Street, in the City of London, Engineer, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- KAULBACH.
16th April 1866.
1068. REINHOLD EDWARD KAULBACH, of No. 9, Grove Road, St. John's Wood, in the County of Middlesex, Gentleman, for an invention for—"The improvement of the means of and apparatus for laying submarine electrical telegraphic wires, lines, cables or other contrivances of a like sort."
Letters Patent sealed.
- NEWTON.
16th April 1866.
1069. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in power-loom."—*A communication to him from abroad by Philo Ward Hart, of Stamford, and Daniel Clark Tibbals, of Windham Centre, both in the State of New York, United States of America,*
Provisional protection only.

BENNETT. 16th April 1866.	1070. SAMUEL BENNETT, of Bolton, in the County of Lancaster, Overlooker, for an invention for—"Certain improvements in connection with sizing machines or tape legs." <i>Provisional protection only.</i>
ASH. WHITLEY. 16th April 1866.	1071. EDWARD ASH, and THOMAS WHITLEY, of Halifax, in the County of York, Machine Wool Combers, for an invention for—"Improvements in machinery for combing wool or other fibrous substances." <i>Letters Patent sealed.</i>
HAYES. HAYES. HAYES. 16th April 1866.	1072. JAMES HAYES the elder, and JOSIAH HAYES, of Elton, in the County of Huntingdon, Machine Makers, and JAMES HAYES the younger, of Warmington, in the County of Northampton, Miller, for an invention for—"Improvements in machinery or apparatus for shaking, riddling, raising and delivering straw, hay, corn and other like agricultural produce, and in the mode of driving or transmitting motion thereto, parts of which improvements are applicable to the driving or transmitting of motion to other machinery." <i>Letters Patent sealed.</i>
JOHNSON. 16th April 1866.	1073. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for sifting flour and other substances."— <i>A communication to him from abroad by Joseph Wells, of New York City, in the State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 16th April 1866.	1074. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in card cases."— <i>A communication to him from abroad by François Auguste Lamontagne, of the City of Montreal, in the Province of Canada, Gentleman.</i> <i>Letters Patent sealed.</i>
DODGE. 16th April 1866.	1075. GEORGE POMEROY DODGE, of No. 79, Upper Thames Street, in the City of London, India-rubber Manufacturer, for an invention for—"Improvements in cues, rests and other implements used in playing the game of billiards, bagatelle and other similar games." <i>Provisional protection only.</i>
HARRIS. 16th April 1866.	1076. JAMES HARRIS, of Cambridge Street, Eccleston Square, in the County of Middlesex, for an invention for—"An improved composition for preventing incrustation in steam-boilers." <i>Provisional protection only.</i>
CUTHBERT. 16th April 1866.	1077. WILLIAM CUTHBERT, of Doncaster, in the County of York, Brass Finisher, for an invention for—"Improvements in steam-whistles." <i>Provisional protection only.</i>
BROOMAN. 17th April 1866.	1078. CLINTON EDGCUMBE BROOMAN, of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved varnish for preserving wood, and for protecting iron ships and other metal work from oxydation and from fouling."— <i>A communication to him from abroad by Adolphe Guibert, of Paris, France.</i> <i>Provisional protection only.</i>
BROOMAN. 17th April 1866.	1079. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in crushing, separating and washing ores and other substances, and in apparatus employed therein."— <i>A communication to him from abroad by Louis Bataille, of Ovada, Italy.</i> <i>Letters Patent sealed.</i>
KING. 17th April 1866.	1080. CHARLES JOSEPH BERRY KING, of Belmont House, Stone, in the County of Stafford, M.D., for an invention for—"A new unfermented beverage." <i>Letters Patent sealed.</i>
MAY. 17th April 1866.	1081. EDMUND REYNOLDS MAY, of Sidmouth, in the County of Devon, Lieutenant in Her Majesty's late Indian Navy, for an invention for—"Improved apparatus for lowering and disengaging ships' boats, part of which improvements is applicable to blocks employed for other purposes." <i>Provisional protection only.</i>
GRAY. 17th April 1866.	1082. THOMAS GRAY, late of Mitcham, in the County of Surrey, but now of Union Road, Wandsworth, in the same County, Bleacher, for an invention for—"An improved mode of treating flax, hemp and other like fibrous substances." <i>Letters Patent sealed.</i>
HAIMES. 17th April 1866.	1083. THOMAS HAIMES, of Melbourne, in the County of Derby, for an invention for—"Improvements in the manufacture of tubular or double fabrics in warp machinery." <i>Letters Patent sealed.</i>
DICKINSON. 17th April 1866.	1084. JOHN DICKINSON the younger, of the City of York, Plumber, for an invention for—"Improvements in cocks or taps for high pressure hot and cold water, and for kitchen ranges." <i>Letters Patent sealed.</i>

- GENGEMBRE.
17th April 1866.
1085. PHILIPPE WILLIAM GENGEMBRE, of the City, County and State of New York, United States of America, now of No. 10, Gloucester Terrace, Kensington, in the County of Middlesex, for an invention for—"Improvements in stereoscopes, which improvements are also applicable to instruments for exhibiting single views."
Provisional protection only.
- BULLOUGH.
18th April 1866.
1086. WILLIAM BULLOUGH, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for warping, dressing, sizing and beaming yarn."
Letters Patent sealed.
- DE CAESARIS.
18th April 1866.
1087. CLEMENTE DE CAESARIS, of the Grange, Bermondsey, in the County of Surrey, for an invention for—"Improvements in projectiles."
Provisional protection only.
- WHITE.
18th April 1866.
1088. GEORGE WHITE, of 68, Queen Street, Cheapside, in the City of London, Patent Agent, for an invention for—"Improvements in pipes for smoking tobacco."—*A communication to him from abroad by Jean Hochapfel and George Hochapfel, Manufacturers of Smoking Articles, of Strasburg, France.*
Letters Patent sealed.
- PUCKERING.
18th April 1866.
1089. ROBERT PUCKERING, of Beverley, in the County of York, Coachbuilder, for an invention for—"Improvements in four wheeled vehicles for common roads."
Letters Patent sealed.
- MARSHALL.
18th April 1866.
1090. JAMES MARSHALL, of Gainsborough, in the County of Lincoln, for an invention for—"Improvements in apparatus for heating the water supplied to locomotive and other multitubular steam-boilers."
Letters Patent sealed.
- JONES.
18th April 1866.
1091. JAMES GRAFTON JONES, of Blaina Iron Works, near Newport, in the County of Monmouth, for an invention for—"Improvements in machinery employed in cutting and getting coals and other minerals."
Letters Patent sealed.
- BARKER.
18th April 1866.
1092. CHARLES MATHEW BARKER, of 12, Kennington Park Road, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus used in distilling fatty and other matters."
Letters Patent sealed.
- GIRARD.
DE LAIRE.
18th April 1866.
1093. CHARLES ADAM GIRARD, of 66, Rue Des Ecoles, Paris, Chemist, and GEORGE DE LAIRE, of 11, Rue de Sèvres, Paris, Chemist, for an invention for—"Improvements in the preparation of diphenylamine and analogous substances."
Letters Patent sealed.
- EDWARDS.
18th April 1866.
1094. WILLIAM YOUNG EDWARDS, of Castle Street, Falcon Square, in the City of London, for an invention for—"Improvements in axles and axle boxes for carts, carriages and other conveyances running upon wheels."
Provisional protection only.
- EDWARDS.
18th April 1866.
1095. WILLIAM YOUNG EDWARDS, of Castle Street, Falcon Square, in the City of London, for an invention for—"Improvements in eyeletting machines."—*A communication to him from abroad by Charles Howard Crosby, a person residing at Boston, in the United States of America.*
Provisional protection only.
- LORD.
NORFOLK.
19th April 1866.
1096. EDWARD LORD, of Todmorden, in the County of York, and RICHARD NORFOLK, of Beverley, in the same County, Managing Directors of the Beverley Iron and Wagon Company, Limited, for an invention for—"Improvements in reaping machines, which improvements are also applicable to other agricultural implements in which chains are used for communicating motion."
Letters Patent sealed.
- HOLMES.
SLACK.
19th April 1866.
1097. JOHN HOLMES, of the firm of Messieurs Morris and Holmes, of the City of Manchester, Packers, and JAMES CORBETT HOLTZAPPELL SLACK, of the same place, Engineer, for an invention for—"Improvements in the fastenings of the metallic hoops or bands employed in baling cotton and other substances."
Letters Patent sealed.
- OLDHAM.
PENN.
EADES.
19th April 1866.
1098. WILLIAM OLDHAM, Artist, and HENRY PENN, Artist, and CHARLES EADES, Experimental Chemist, all of Birmingham, in the County of Warwick, for an invention for—"Improvements in collecting or condensing and utilizing the fumes given off by furnaces used in the manufacture of copper and in other metallurgical operations, which improvements may also be applied to the collecting or condensing of fumes from other sources."
Provisional protection only.
- TUTTLE.
19th April 1866.
1099. EBENEZER TUTTLE, of Canaan, County of Somerset, and State of Maine, United States of America, for an invention for—"Improvements in water wheels."
Letters Patent sealed.

BEADON. 19th April 1866.	1100. GEORGE BEADON, of Creechbarrow, near Taunton, in the County of Somerset, Captain in the Royal Navy, for an invention for—"Improvements in means employed in attaching knobs to the spindles of mortise and other similar locks or fastenings." <i>Letters Patent sealed.</i>
WILSON. 19th April 1866.	1101. EDWIN WILSON, of Horncastle, in the County of Lincoln, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
HAMILTON. 19th April 1866.	1102. ROBERT HAMILTON, of St. Helen's Place, in the City of London, Merchant, for an invention for—"An improved composition for coating or covering ships' bottoms and other surfaces subjected to the action of sea water."— <i>A communication to him from abroad by James Beeston, at present residing at Table Bay, Cape of Good Hope, Master Mariner, and John Spence, of Cape Town, Cape of Good Hope, Merchant and Ship Owner.</i> <i>Letters Patent sealed.</i>
TURNER. 19th April 1866.	1103. ARCHIBALD TURNER, of Leicester, Elastic Fabric Manufacturer, for an invention for—"Improved machinery for warping or preparing warps for weaving." <i>Letters Patent sealed.</i>
NEWTON. 19th April 1866.	1104. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in the manufacture of bar iron and steel."— <i>A communication to him from abroad by Bernard Lauth, of Reading, Berks County, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
DALES. 19th April 1866.	1105. CHARLES DALES, of Oxford Street, in the County of Middlesex, Optician, for an invention for—"Improvements in eye glasses usually termed shooting glasses or hat frames, which improvements are also applicable to other spectacles." <i>Provisional protection only.</i>
EVANS. 19th April 1866.	1106. DANIEL EVANS, of 2, Victoria Place, Green Hundred Road, Peckham, in the County of Surrey, Engineer, for an invention for—"Improvements in the manufacture of articles made of plates, sheets or bars of wrought iron or of steel." <i>Letters Patent sealed.</i>
NICHOLSON. 19th April 1866.	1107. EDWARD CHAMBERS NICHOLSON, of 9, Fenchurch Street, in the City of London, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of blue coloring matters suitable for dyeing and printing." <i>Letters Patent sealed.</i>
LUNGE. 20th April 1866.	1108. GEORGE LUNGE, of South Shields, in the County of Durham, Doctor of Philosophy, for an invention for—"Improvements in the manufacture of carbonates and bicarbonates of soda and potash." <i>Letters Patent sealed.</i>
WEBB. 20th April 1866.	1109. WILLIAM WEBB, of Smethwick, in the County of Stafford, Manufacturer, for an invention for—"Improvements in the manufacture of ordnance." <i>Letters Patent sealed.</i>
NICOLAS-DAU- BISGNYE. CLEGG. 20th April 1866.	1110. DIDIER LOUIS NICOLAS-DAUBISGNYE, of 22, Rue Hautefeuille, Paris, in the Empire of France, Publicist, and ROBERT DAWSON CLEGG, of 22, Parkfield Street, Islington, in the County of Middlesex, Engineer, for an invention for—"Improvements in bottle stoppers and in the method of fastening the same hermetically."— <i>A communication to them from abroad by Charles François André Pécaut, a person resident at Bagnolet, near Paris, Grand Rue, N° 138^{ter} (France).</i> <i>Provisional protection only.</i>
PRIDEAUX. 20th April 1866.	1111. THOMAS PRIDEAUX, of Sheffield, in the County of York, Hotel Keeper, for an invention for—"Improvements in fire-places whereby the fuel used in such fire-places will be more readily ignited and a more complete combustion of such fuel effected." <i>Provisional protection only.</i>
HASTINGS. BRIGGS. LAW. MITCHELL. 20th April 1866.	1112. CHARLES HASTINGS, and JAMES BRIGGS, of the firm of Messieurs Charles Hastings and Company, of Bradford, in the County of York, Manufacturers, and JAMES LAW, and HIRAM MITCHELL, of the same place, Managers, for an invention for—"Improvements in machinery for spinning and doubling." <i>Letters Patent sealed.</i>

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WADDELL. MUIR. 20th April 1866.	1113. CHARLES JAMES WADDELL, and HUGH CAMERON BELL MUIR, both of the City of Manchester, Engineers, for an invention for—"Improvements in valves for steam and other fluids." <i>Provisional protection only.</i>
WOLLER. 20th April 1866.	1114. FRIEDRICH EHREG WOLLER, of Stollberg, in the Kingdom of Saxony, for an invention for—"Improvements in machinery for the manufacture of looped fabrics." <i>Complete specification ; Letters Patent sealed.</i>
JOHNSON. 20th April 1866.	1115. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in covering or protecting the mouths of bottles, jars and similar receptacles, and in capsules employed therein."— <i>A communication to him from abroad by Jean Hyppolite Lamoureux and Edouard Gendrot, of Paris, in the Empire of France, Manufacturing Chemists.</i> <i>Provisional protection only.</i>
LEIGH. 20th April 1866.	1116. JOHN LEIGH, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in the purification of coal gas." <i>Letters Patent sealed.</i>
HUGHES. 20th April 1866.	1117. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in the manufacture of boots and shoes."— <i>A communication to him from abroad by Antoine Guérin, of Lyons, in the Empire of France.</i> <i>Provisional protection only.</i>
ALLEN. 20th April 1866.	1118. JAMES ALLEN, of Bitterne, Southampton, Boiler Maker, for an invention for—"Improvements in fastenings for doors, safes, boxes, drawers and other applications where locks or fastenings are required." <i>Letters Patent sealed.</i>
NEWTON. 20th April 1866.	1119. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in working the switches or points upon railways."— <i>A communication to him from abroad by Auguste Louis Risbourg, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
HASELTINE. 20th April 1866.	1120. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of and means for lighting and extinguishing street and other gas lamps and burners."— <i>A communication to him from abroad by James Burnum Sweet, of Manlius, New York, United States of America.</i> <i>Provisional protection NOT granted.</i>
HASELTINE. 20th April 1866.	1121. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of sheet iron."— <i>A communication to him from abroad by Richard Norton Allen and Charles Chauncey Hinsdale, both of Cleveland, Ohio, United States of America.</i> <i>Complete specification ; Letters Patent sealed.</i>
ALDERMAN. 20th April 1866.	1122. THOMAS ALDERMAN, of Tring, in the County of Hertford, for an invention for—"Improvements in means or apparatus for signalling on and effecting communication between parts of railway trains." <i>Provisional protection only.</i>
BROOKES. 20th April 1866.	1123. WILLIAM BROOKES, of 62, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in means or apparatus for combing wool and other fibres."— <i>A communication to him from abroad by Raphael Ferdinand Tavernier and Joseph François Amédée Tavernier, of 3, Cité Trévise, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MATHER. 20th April 1866.	1124. COLIN MATHER, of the Salford Iron Works, Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in the beetling beams of beetling engines." <i>Provisional protection only.</i>
RUPPERT. 20th April 1866.	1125. FREDERICK RUPPERT, of Chemnitz, in the Kingdom of Saxony, Engineer, for an invention for—"A new wheel pinion for riggers' driving operators." <i>Provisional protection NOT granted.</i>
RAMSBOTTOM. 21st April 1866.	1126. JOSEPH ORMROD RAMSBOTTOM, of Bury, in the County of Lancaster, Spinner and Manufacturer, for an invention for—"Certain improvements in machinery or apparatus for stiffening, drying, stretching and finishing cotton and silk woven fabrics." <i>Letters Patent sealed.</i>

JEWSBURY. 21st April 1866.	1127. JOSEPH JEWSBURY, of Birmingham, in the County of Warwick, Machinist, for an invention for—"An improved portable sun dial." <i>Provisional protection only.</i>
MACINTOSH. BOGGETT. 21st April 1866.	1128. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, and WILLIAM BOGGETT, of Lindsey Houses, Chelsea, in the County of Middlesex, for an invention for—"Improvements in guards for pocket books, watches and watch keys." <i>Letters Patent sealed.</i>
NEWTON. 21st April 1866.	1129. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in grates for furnaces and fire-places."— <i>A communication to him from abroad by Addison Calvin Fletcher and John Hughes, both of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 21st April 1866.	1130. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the mode of and apparatus for expressing liquids from pulpy and semi-fluid substances."— <i>A communication to him from abroad by Louis Pierre Robert de Massy, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
TAYLOR. 21st April 1866.	1131. JOHN GEORGE TAYLOR, of 29, Boulevard St. Martin, Paris, in the Empire of France, Manufacturer, for an invention for—"Improvements in dress fastenings and ornaments." <i>Provisional protection only.</i>
BUISSON. 21st April 1866.	1132. FRANÇOIS CÉSAR BUISSON, of Nantiat, a market town in the French Empire, Gentleman, for an invention for—"Treating and applying a certain vegetable plant for the purposes of the tobacco plant." <i>Letters Patent sealed.</i>
COUSTEAUX. 21st April 1866.	1133. HENRI AUX COUSTEAUX, of Rue du Faubourg St. Honoré, No. 195, in Paris, Gentleman, for an invention for—"A new method of advertising." <i>Provisional protection not granted.</i>
WILSON. 21st April 1866.	1134. JOHN HAYS WILSON, of the firm of John Hays Wilson and Company, of Liverpool, in the County of Lancaster, Brass Founders and Ships' Ironmongers, for an invention for—"An improved apparatus for the distillation of sea water on board ships, and for heating the feed water therefor, parts of which are also applicable to the heating of any portion of the vessel, or for heating conservatories and other buildings." <i>Letters Patent sealed.</i>
BAKER. 21st April 1866.	1135. Lieutenant-Colonel JAMES BAKER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in thermo-electric batteries." <i>Provisional protection only.</i>
DONISTHORPE. 21st April 1866.	1136. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, Top and Nail Manufacturer, for an invention for—"Improvements in getting coal and other minerals, and in machinery employed for that purpose." <i>Letters Patent sealed.</i>
PLAYER. 21st April 1866.	1137. JOHN PLAYER, of Norton, Stockton-on-Tees, in the County of Durham, Engineer, for an invention for—"Improvements in hot-blast stoves or apparatus for heating blast for smelting iron." <i>Letters Patent sealed.</i>
DONISTHORPE. 21st April 1866.	1138. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, Top and Nail Manufacturer, for an invention for—"Improvements in machinery for washing wool, hair and other fibre." <i>Letters Patent sealed.</i>
SPIQUEL. FLORANGE. 23rd April 1866.	1139. MICHEL SPIQUEL, of No. 164, Rue St. Honoré, and EUGÈNE HENRY FLORANGE, of No. 106, Rue Vieille du Temple, and of 82, Boulevard Sébastopol, all in Paris, in the Empire of France, Gold and Silversmiths, for an invention for—"Improvements in stamping on flatted or unflatted metals." <i>Letters Patent sealed.</i>
SPIQUEL. FLORANGE. 23rd April 1866.	1140. MICHEL SPIQUEL, of No. 164, Rue St. Honoré, and EUGÈNE HENRY FLORANGE, of No. 106, Rue Vieille du Temple, and of 82, Boulevard Sébastopol, all in Paris in the Empire of France, Gold and Silversmiths, for an invention for—"Improvements in incurvating or rendering concavo-convex metals either in a flatted or unflatted state." <i>Letters Patent sealed.</i>
BARNETT. 23rd April 1866.	1141. FREDERIC BARNETT, of No. 164, Rue de Rivoli, in the City of Paris, in the Empire of France, Merchant, for an invention for—"An improved aquatic fire-work." <i>Complete specification; Letters Patent sealed.</i>

- HUZZEY.
23rd April 1866. 1142. HENRY ALFRED HUZZEY, of Newport, in the County of Monmouth, Engineer, for an invention for—"Improved apparatus for ejecting water from the holds of steam ships or other vessels." *Provisional protection only.*
- BUTLER.
23rd April 1866. 1143. JAMES WILLIAM BUTLER, of Hollywood House, Princes Road, Wimbledon Park, in the County of Surrey, Gentleman, for an invention for—"Improvements in aërostatic apparatus." *Provisional protection only.*
- WEDLAKE.
23rd April 1866. 1144. HENRY THOMAS WEDLAKE, of Tolmers Square, Hampstead Road, in the County of Middlesex, Organ Builder and Harmonium Manufacturer, for an invention for—"Improvements in the construction of harmoniums." *Provisional protection only.*
- PUMPHREY.
23rd April 1866. 1145. JOSIAH PUMPHREY, of the firm of Josiah and Alfred Pumphrey, Manufacturers, of Birmingham, in the County of Warwick, for an invention for—"An improved portable irrigator for watering gardens and other purposes." *Provisional protection only.*
- HUCH.
WINDHAUSEN.
23rd April 1866. 1146. EDWARD HEINSON HUCH, of Brunswick, Wolfenbüttel Street, No. 16, and FRANCIS JOSEPH WINDHAUSEN, of Brunswick, Frankfurt Street, No. 3, for an invention for—"Improvements in engines worked by steam or other fluid." *Letters Patent sealed.*
- ABBOTTS.
23rd April 1866. 1147. RICHARD WILLIAM ABBOTTS, of Burton-on-Trent, in the County of Stafford, for an invention for—"Improvements in the fire-places or furnaces of malt and other kilns." *Letters Patent sealed.*
- ABEL.
23rd April 1866. 1148. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine or apparatus for rippling or seeding flax."—*A communication to him from abroad by Baron Woldemar von Loewis, of Menar, at Riga, in the Empire of Russia.* *Letters Patent sealed.*
- ABEL.
23rd April 1866. 1149. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for breaking and scutching flax and hemp."—*A communication to him from abroad by Baron Woldemar von Loewis, of Menar, at Riga, in the Empire of Russia.* *Letters Patent sealed.*
- PLIMSOLL.
23rd April 1866. 1150. HENRY DAVIDSON PLIMSOLL, of 13, Amptill Square, Hampstead Road, in the County of Middlesex, Merchant, for an invention for—"Improvements in the application of materials to surfaces for ornamental purposes." *Provisional protection only.*
- RYO-CATTEAU.
24th April 1866. 1151. JOSEPH MARIE RYO-CATTEAU, of 333, Rue Saint Martin, Paris, in the Empire of France, Mechanician, for an invention for—"Improvements in spindles applicable to all machines for spinning and doubling cotton, wool, silk and other fibrous substances, as well as to all twiners." *Letters Patent sealed.*
- THOMPSON.
24th April 1866. 1152. ROBERT THOMPSON, of Woodland Road, New Charlton, in the County of Kent, Engineer, for an invention for—"Improvements in machinery for veneering mouldings or other surfaces." *Letters Patent sealed.*
- STACKHOUSE.
24th April 1866. 1153. RACHEL STACKHOUSE, of Central Hill Cottage, Central Hill, Norwood, in the County of Surrey, Widow, for an invention for—"Improvements in charts, maps, plans, illuminated and other printed articles, by the use of a waterproof and untearable material as a substitute for paper." *Letters Patent sealed.*
- THOMPSON.
24th April 1866. 1154. SAMUEL THOMPSON, of the firm of Thompson and Shackell, of Guild Hall Square, Carmarthen, in the County of Carmarthen, Piano-forte Manufacturer, for an invention for—"Improvements in the construction of piano-fortes." *Letters Patent sealed.*
- BURLE.
24th April 1866. 1155. EUGÈNE BURLE, of Vienne, Department of the Isère, in the Empire of France, Engineer, for an invention for—"A new method of manufacturing woven fabrics." *Letters Patent sealed.*
- RUSSELL.
CARBINES.
24th April 1866. 1156. GEORGE FITZJAMES RUSSELL, of Piccadilly, in the County of Middlesex, and WILLIAM HENRY CARBINES, of Southwark Street, in the County of Surrey, for an invention for—"Improvements in the manufacture of gas." *Letters Patent sealed.*

ABEL.
24th April 1866.

1157. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in joints or connections for pipes."—*A communication to him from abroad by Anton Richter, of Königsaal, and Romuald Bozek, of Prague, both in the Empire of Austria.*
Provisional protection only.

COCHRANE.
25th April 1866.

1158. ARTHUR AUCKLAND LEOPOLD PEDRO COCHRANE, of Westminster, in the County of Middlesex, Captain in the Royal Navy, for an invention for—"An improvement in apparatus for heating and evaporating liquids and fluids."

Letters Patent sealed.

BIÉVEZ.
25th April 1866.

1159. DESIRÉ BIÉVEZ, of Haine St. Pierre, in the Province of Hainaut, in the Kingdom of Belgium, Glass Manufacturer, for an invention for—"An improved furnace or oven for the cooling of window glass, and apparatus to be used therewith."

Letters Patent sealed.

BURTON.
25th April 1866.

1160. JOHN WATSON BURTON, of Leeds, in the County of York, for an invention for—"Improved means and apparatus for the treatment of animal fibrous substances and fabrics of mixed vegetable and animal substances, and of utilizing the waste products therefrom."

Letters Patent sealed.

CROSLAND.
25th April 1866.

1161. JAMES STEAD CROSLAND, of Ashton-under-Lyne, in the County of Lancaster, Engineer, for an invention for—"Improvements in or applicable to steam-engines."

Provisional protection only.

UPWARD.
COCHRANE.
25th April 1866.

1162. ALFRED UPWARD, of the Chartered Gas Company, No. 146, Goswell Road, in the County of Middlesex, Civil Engineer, and the Honble. ARTHUR AUCKLAND COCHRANE, of Westminster, for an invention for—"Improvements in the manufacture of gas."

Letters Patent sealed.

NOONE.
25th April 1866.

1163. GEORGE EDWARD NOONE, of No. 50, George Street, Hastings, in the County of Sussex, Civil Engineer, for an invention for—"Improvements in machinery and processes for deodorizing and treating sewage and other refuse, and manufacturing therefrom manure and other substances for chemical and other uses."

Letters Patent sealed.

CLARK.
25th April 1866.

1164. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in machinery for making twist drills."—*A communication to him from abroad by Andrew Reynolds Arnold, of Newark, Essex County, State of New Jersey, United States of America.*

Letters Patent sealed.

GEDGE.
25th April 1866.

1165. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved construction of spring bed or mattress, and apparatus connected therewith."—*A communication to him from abroad by Jean Antoine Alexandre Dupuy and Pierre Grivaud, both of Macon (Saône et Loire), France.*

Letters Patent sealed.

BUTCHER.
25th April 1866.

1166. HENRY CHARLES BUTCHER, of Wellington Street, Strand, in the County of Middlesex, Wine Merchant, for an invention for—"An apparatus to be used for piercing and holding cigars, and as a tobacco stopper, pencil case, whistle, seal, tooth-pick or watch key."

Letters Patent sealed.

BORGNET.
25th April 1866.

1167. ALFRED BORGNET, of Swansea, in the County of Glamorgan, South Wales, Manufacturer, for an invention for—"Improvements in furnaces, retorts and apparatus for smelting or treating zinc and other ores."

Letters Patent sealed.

BONNEVILLE.
26th April 1866.

1168. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in crinoline skirts."—*A communication from Leon Maze Werly, a person residing at Boulevard Sebastopol, Paris, in the Empire of France, aforesaid.*

Provisional protection only.

BONNEVILLE.
26th April 1866.

1169. HENRY ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in spring mattresses."—*A communication from Etienne Arnould, a person residing at Place Napoléon, Lyons, in the Empire of France, aforesaid.*

Provisional protection only.

KIRBY. 26th April 1866.	1170. THOMAS KIRBY, of Barrow-in-Furness, in the County of Lancashire, Joiner, for an invention for—"Improvements in apparatus or machinery for raising and lowering revolving shutters." <i>Letters Patent sealed.</i>
SEQUELIN. 26th April 1866.	1171. SCIPION SEQUELIN, of Deptford, in the County of Kent, Chemist, for an invention for—"Improvements in the purification, clarification and preparation of animal and vegetable wax, tallow, oils and other similar waxy and fatty substances." <i>Letters Patent sealed.</i>
GARDNER. 26th April 1866.	1172. HENRY GARDNER, of Gravesend, in the County of Kent, Engineer, for an invention for—"Improvements in hooks or holders whereby to suspend curtains and other articles." <i>Provisional protection only.</i>
EDMOND. GURLT. 26th April 1866.	1173. WILLIAM EDMOND, and ADOLF GURLT, both of Swansea, in the County of Glamorgan, Metallurgical Engineers, for an invention for—"Improvements in furnaces and apparatus for separating heated gases, fumes or vapours from each other, and from solid or liquid bodies." <i>Letters Patent sealed.</i>
PARAF. 26th April 1866.	1174. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in printing and dyeing textile fabrics and yarns." <i>Letters Patent sealed.</i>
CURTIS. 26th April 1866.	1175. JOHN CURTIS, of Putney, in the County of Surrey, for an invention for—"Improvements in draining and consolidating cuttings, embankments and other parts of railways." <i>Provisional protection only.</i>
PARAF. 26th April 1866.	1176. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in printing and finishing all materials where ultramarine colors are used." <i>Provisional protection only.</i>
HASELTINE. 26th April 1866.	1177. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in uniting and combining mineral and metallic substances with vegetable fibres and fabrics."— <i>A communication to him from abroad by Taliaferro Preston Shaffner, of Louisville, Kentucky, United States of America.</i> <i>Provisional protection only.</i>
COTTAM. COTTAM. 26th April 1866.	1178. GEORGE HALLEN COTTAM, and HENRY RICHARD COTTAM, of the St. Pancras Iron Works, Old St. Pancras Road, in the County of Middlesex, Engineers, for an invention for—"Improvements in the manufacture of iron bedsteads." <i>Provisional protection only.</i>
HEDLER. 26th April 1866.	1179. CHARLES HEDLER, of Frankfort-on-the-Maine, at present residing at Gloucester Terrace, Hyde Park, in the County of Middlesex, for an invention for—"Improvements in the production of photographic pictures." <i>Provisional protection only.</i>
TOBIN. 27th April 1866.	1180. THOMAS WILLIAM TOBIN, of No. 5, Watson's Road, Wood Green, in the County of Middlesex, Architect, for an invention for—"Apparatus for effecting a solution of lime for the purpose of softening hard water." <i>Provisional protection only.</i>
MARSHALL. 27th April 1866.	1181. THOMAS MARSHALL, of Dunstable, in the County of Bedford, for an invention for—"An improved apparatus for supplying water to steam-boilers." <i>Provisional protection only.</i>
HOLDEN. 27th April 1866.	1182. EDWARD HOLDEN, of Bradford, in the County of York, Wool Comber, for an invention for—"Improvements in means or apparatus for effecting the ventilation of rooms and other places." <i>Provisional protection only.</i>
STRANG. 27th April 1866.	1183. JAMES STRANG, of Glasgow, in the County of Lanark, North Britain, Yarn Agent, for an invention for—"Improvements in cop tubes and in shuttle skewers." <i>Provisional protection only.</i>
TAYLOR. 27th April 1866.	1184. JOSEPH TAYLOR of the firm of J. and T. Taylor, of Stainland, in the County of York, Woollen Manufacturer, for an invention for—"Improvements in increasing the expansive power of steam." <i>Provisional protection only.</i>
RENAULT. 27th April 1866.	1185. FRANÇOIS ANTOINE RENAULT, of Falaise, department of Calvados, Empire of France, Mechanician, for an invention for—"The application of improved apparatus to knitting-looms." <i>Provisional protection only.</i>

NELSON. 27th April 1866.	1186. MORTIMER NELSON, of the City and State of New York, United States of America, for an invention for—"New or improved machinery for making impressions or forming moulds for stereotype or electrotype plates." <i>Letters Patent sealed.</i>
SOPER. 27th April 1866.	1187. WILLIAM SOPER, of Friar Street, Reading, in the County of Berks, Gun Manufacturer, for an invention for—"Improvements in the mode of mounting targets for rifle ranges, and in the construction of markers' screens and signals designed for use with the same." <i>Letters Patent sealed.</i>
WAVISH. 27th April 1866.	1188. JAMES WAVISH, of Torpoint, in the County of Cornwall, for an invention for—"Certain improvements in gas lamps subject to the exposure of high winds and uncertain draughts." <i>Provisional protection only.</i>
SANDERSON. 27th April 1866.	1189. PETER SANDERSON, of Galashiels, in the County of Selkirk, North Britain, Manufacturer, for an invention for—"Improvements in the manufacture of yarns and in the machinery or apparatus employed therefor." <i>Provisional protection only.</i>
WHITE. 27th April 1866.	1190. DAVID BLAIR WHITE, of the Town and County of the Town of Newcastle-upon-Tyne, Doctor of Medicine, for an invention for—"Improvements in ventilators for windows and other like openings." <i>Letters Patent sealed.</i>
DEAKIN. 27th April 1866.	1191. THOMAS DEAKIN, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for moulding toothed or other wheels or pulleys or portions of circles, for casting." <i>Provisional protection only.</i>
HOWARD. BOUSFIELD. 27th April 1866.	1192. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, in the County of Bedford, for an invention for—"An improved mode of working steam tilling implements." <i>Letters Patent sealed.</i>
HOFFMAN. 27th April 1866.	1193. JOHN WILLIAM HOFFMAN, of Birmingham, in the County of Warwick, Gentleman, for an invention for—"Improvements in fountains." <i>Letters Patent sealed.</i>
DIXCEE. 27th April 1866.	1194. THOMAS DIXCEE, of the Atlas Works, Woodfield Road, Harrow Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus used in moulding clay or other plastic material into bricks and other articles." <i>Letters Patent sealed.</i>
THOMPSON. 27th April 1866.	1195. JACOB BAYNES THOMPSON, of Manchester, in the County of Lancaster, for an invention for—"Improvements in protecting iron ships from fouling and corrosion." <i>Provisional protection only.</i>
WESTON. 27th April 1866.	1196. THOMAS ALDRIDGE WESTON, of King's Norton, in the County of Worcester, Mechanical Engineer, for an invention for—"Improvements in ratchet braces and levers." <i>Letters Patent sealed.</i>
BRAY. HARGREAVES. 27th April 1866.	1197. EDWIN BRAY, of Leeds, in the County of York, Engineer, and JOHN CROSBY HARGREAVES, also of Leeds, in the County of York, for an invention for—"Improvements in apparatus for the prevention of steam-boiler explosions." <i>Letters Patent sealed.</i>
BURNARD. KOPPEL. 28th April 1866.	1198. GEORGE BURNARD, of Hoxton Old Town, and LUDWIG KOPPEL, of Euston Road, both in the County of Middlesex, for an invention for—"An improved mode of and apparatus for preserving milk and cream, more especially designed for keeping milk fresh during transport." <i>Provisional protection only.</i>
DAVIES. 28th April 1866.	1199. JOHN LACEY DAVIES, of the firm of John Davies and Son, of 4, St. Ann's Square, Manchester, in the County of Lancaster, Patent Agents, for an invention for—"Certain improvements in looms for weaving,"— <i>A communication to him from abroad by Paul Rebuschinsky and William Cheetham, both of Moscow, in the Empire of Russia.</i> <i>Letters Patent sealed.</i>
THOMSON. 28th April 1866.	1200. DAVID THOMSON, of No. 3, Old Street, St. Luke's, in the County of Middlesex, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
ROBERTSON. 28th April 1866.	1201. JOSEPH BUCHANAN ROBERTSON, of Lurgan, in the County of Armagh, in Ireland, Mechanic, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
EDGEWORTH. 28th April 1866.	1202. DAVID REID EDGEWORTH, of 13, Queen Square, in the City of Westminster, Civil Engineer, for an invention for—"A new surveying instrument." <i>Letters Patent sealed.</i>

HUTTON. 28th April 1866.	1203. THOMAS HUTTON, of Derby, Bank Cashier, for an invention for—"Improved apparatus for closing the tapholes of casks or barrels." <i>Letters Patent sealed.</i>
SUNDERLAND. STELL. 28th April 1866.	1204. WILLIAM SUNDERLAND, of Windhill, near Shipley, in the County of York and GEORGE STELL, of Shipley, also in the County of York, for an invention for—"Improvements in spinning machinery." <i>Letters Patent sealed.</i>
HOFFMAN. 28th April 1866.	1205. JOHN WILLIAM HOFFMAN, of Birmingham, in the County of Warwick, Gentleman, for an invention for—"Improvements in churns." <i>Provisional protection only.</i>
NEWTON. 28th April 1866.	1206. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in engines for obtaining rotary motion by means of steam, gas or other fluids."— <i>A communication to him from abroad by Marie Joseph Denis Farcot, of the firm of Farcot and Sons, of St. Ouen (Seine), and Joseph Perrigault, Merchant, of Nantes, both in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 28th April 1866.	1207. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of steel."— <i>A communication to him from abroad by Edwin Louis Bomeisler, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
BEARD. 28th April 1866.	1208. ELEAZAR JUDSON BEARD, of Nicholas Lane, in the City of London, Gentleman, for an invention for—"An improved construction of fastening for baling bands."— <i>A communication to him from abroad by George Newton Beard, of St. Louis, Missouri, in the United States of America.</i> <i>Letters Patent sealed.</i>
PIGGOTT. 28th April 1866.	1209. WILLIAM PETER PIGGOTT, of 16, Argyll Street, Regent Street, in the County of Middlesex, for an invention for—"Improvements in preventing corrosion and fouling of iron ships." <i>Letters Patent sealed.</i>
BEGG. 28th April 1866.	1210. WILLIAM BEGG, of Marsh Lane, Preston, in the County of Lancaster, Iron Founder, for an invention for—"Improvements in the arrangement of furnaces and apparatus connected therewith, for facilitating the combustion of smoke, and for preventing the cold air from going into the flues during the act of firing." <i>Letters Patent sealed.</i>
TARGET. 28th April 1866.	1211. CHARLES ALBERT BAGENAL TARGET, of Bath, in the County of Somerset, Civil Engineer, for an invention for—"Improvements in balancing and raising or lowering window sashes." <i>Provisional protection only.</i>
PEARCE. 28th April 1866.	1212. JOHN CHARLES PEARCE, of the Bowling Iron Works, near Bradford, in the County of York, Engineer, for an invention for—"Certain improvements in steam-engines and boilers." <i>Letters Patent sealed.</i>
RICHES. WATTS. 30th April 1866.	1213. RICHARD ROBERT RICHES, and CHARLES JAMES WATTS, both of Norwich, in the County of Norfolk, Engineers, for an invention for—"Improvements in feeding apparatus applicable to mills and machines for grinding, kibbling or crushing grain and other substances." <i>Letters Patent sealed.</i>
BERNARD. 30th April 1866.	1214. AUGUSTIN BERNARD, of Paris, in the Department of the Seine, France, Householder, for an invention for—"A process of decolorizing albumen extracted from the red blood of animals." <i>Letters Patent sealed.</i>
DAVIES. 30th April 1866.	1215. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in or applicable to carriages."— <i>A communication to him from abroad by Isaac Merritt Singer, at present residing at Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
MURPHY. 30th April 1866.	1216. WILLIAM JEREMIAH MURPHY, of Lady's Well Brewery, Cork, in the County of the City of Cork, Ireland, for an invention for—"An improved method of and apparatus for propelling ships or vessels." <i>Provisional protection only.</i>
BARON. TATTERSALL. 30th April 1866.	1217. JOHN BARON, and EDWARD TATTERSALL, both of Heywood, in the County of Lancaster, Spinners and Manufacturers, for an invention for—"Certain improvements in carding-engines." <i>Letters Patent sealed.</i>

JENKIN. 30th April 1866.	1218. FLEMING JENKIN, of Duke Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in apparatus for winding in telegraphic cables, applicable also when winding in other ropes or chains." <i>Letters Patent sealed and specification filed by order.</i>
FOX. 30th April 1866.	1219. CHARLES DOUGLAS FOX, of New Street, Spring Gardens, in the County of Middlesex, Member of the Institute of Civil Engineers, for an invention for—"Improvements in screw cutting and threading machines, and in the construction of screw nails and spikes."— <i>A communication to him from abroad by John Howard, resident at New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 30th April 1866.	1220. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in percussive musical instruments."— <i>A communication to him from abroad by Victor Mustel, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
DEAKIN. JOHNSON. 30th April 1866.	1221. WILLIAM DEAKIN, of Great Barr, in the County of Stafford, and JOHN BAGNALL JOHNSON, of Tettenhall, also in the County of Stafford, Roll Turner, for an invention for—"Improvements in the manufacture of hollow projectiles." <i>Letters Patent sealed.</i>
LEA. 1st May 1866.	1222. HENRY LEA, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
ABEL. 1st May 1866.	1223. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the means and apparatus for reducing metallic oxides."— <i>A communication to him from abroad by Jacob Reese, of Pittsburgh, Pennsylvania, in the United States of America.</i> <i>Letters Patent sealed.</i>
NISBET. 1st May 1866.	1224. JOHN NISBET, of Coatbridge, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for getting or cutting minerals." <i>Letters Patent sealed.</i>
SPENCER. McCORKINDALE. 1st May 1866.	1225. JOHN SPENCER, Ironmaster, and DOUGALD McCORKINDALE, Manager of Iron Works, both of Coatbridge, in the County of Lanark, North Britain, for an invention for—"Improvements in rolling mills." <i>Letters Patent sealed.</i>
DAVIES. 1st May 1866.	1226. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in insulators for telegraph wires."— <i>A communication to him from abroad by David Brooks, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
DAVIES. 1st May 1866.	1227. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in steam-boilers."— <i>A communication to him from abroad by William Schaubel, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
DELESTRE. 1st May 1866.	1228. JOSEPH VICTOR DELESTRE, of Paris, Quai Conti, No. 5, Medical Doctor, for an invention for—"An improved trap for destroying flies and other insects." <i>Letters Patent sealed.</i>
HUGHES. 1st May 1866.	1229. RICHARD HUGH HUGHES, of 96, Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in or connected with lamps and burners, and an improved apparatus for lighting lamps." <i>Letters Patent sealed.</i>
LEWIS. 1st May 1866.	1230. JOSEPH LEWIS, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in valves used, as in the case of slide valves, for regulating the flow of steam, water and other fluids." <i>Letters Patent sealed.</i>
CHASE. 1st May 1866.	1231. OLIVER RICE CHASE, of Roxbury, Massachusetts, United States of America, but now residing at Montague Street, Russell Square, in the County of Middlesex, for an invention for—"An improvement in the manufacture of confectionery."— <i>A communication to him from abroad by Lewson Everard Chase, of Charlestown, in the State of Massachusetts, United States of America.</i> <i>Provisional protection only.</i>

THOMAS. PRINCE. 1st May 1866.	1232. JOHN THOMAS, of Battersea, in the County of Surrey, Ironfounder, and ALEXANDER PRINCE, of No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in reverberatory blast and other furnaces for smelting ores, and in the means of extracting the precious metals therefrom." <i>Letters Patent sealed.</i>
DENIS. 1st May 1866.	1233. GUILLAUME CHARLES DENIS, Director of the Gas Works, of Arras (Pas-de-Calais), in the Empire of France, for an invention for—"An improved apparatus for purifying the lighting gas resulting from the distilling of coal." <i>Letters Patent sealed.</i>
JACKSON. 1st May 1866.	1234. JOHN JACKSON, of Belmont Works, Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in night lights." <i>Letters Patent sealed.</i>
GRITTON. 1st May 1866.	1235. FREDERICK GRITTON, of Burton-on-Trent, in the County of Stafford, for an invention for—"Improvements in apparatus for treating malt." <i>Letters Patent sealed.</i>
BENVENUTI. 2nd May 1866.	1236. FORTUNÉ FRANÇOIS BENVENUTI, of Swansea, in the County of Glamorgan, Member of the National Academy of France, for an invention for—"An improved feeding holder applicable to writing and drawing pens." <i>Letters Patent sealed.</i>
MOORE. SAGAR. KEIGHLEY. RICHMOND. 2nd May 1866.	1237. HENRY MOORE, Cotton Spinner, THOMAS SAGAR, and GEORGE KEIGHLEY, Machine Makers, and THOMAS RICHMOND, Cotton Manufacturer, all of Burnley, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
MORRIS. 2nd May 1866.	1238. JAMES MORRIS, of Wednesfield, in the County of Stafford, for an invention for—"Improvements in mills for grinding wheat and other grain." <i>Letters Patent sealed.</i>
COHEN. 2nd May 1866.	1239. DAVID COHEN, of No. 24, Leigh Street, Burton Crescent, in the County of Middlesex, Gas Meter Maker, for an invention for—"Improvements in dry gas meters." <i>Letters Patent sealed.</i>
DAVIES. 2nd May 1866.	1240. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the method of heating the boilers of locomotive and other steam-engines, and in the apparatus employed for such purpose."— <i>A communication to him from abroad by David Greene Haskins, of Cambridge, Massachusetts, in the United States of America.</i> <i>Provisional protection only.</i>
SHORROCK. SHORROCK. 2nd May 1866.	1241. JAMES SHORROCK, and GEORGE SHORROCK, both of Withnell, in the County of Lancaster, Picker Makers, for an invention for—"Improvements in pickers for looms." <i>Letters Patent sealed.</i>
CORMACK. 2nd May 1866.	1242. WILLIAM CORMACK, of Commercial Road, in the County of Middlesex, Chemist, for an invention for—"Improvements in deodorizing, revivifying and calcining animal and vegetable charcoal, and in the apparatus employed therein." <i>Provisional protection only.</i>
TOWERS. CLUTTERBUCK. MUSCHAMP. 2nd May 1866.	1243. JOSEPH ROBINSON TOWERS, of 47, Worcester Street, Wolverhampton, in the County of Staffordshire, Gentleman, THOMAS CLUTTERBUCK, of 2, Coleman Street, Islington, in the County of Middlesex, Commercial Traveller, and JOHN BELL MUSCHAMP, of Pembroke Road, Kensington, in the County of Middlesex, Gentleman, for an invention for—"An improved construction of pocket for male or female attire." <i>Provisional protection only.</i>
COSTALLAT. 2nd May 1866.	1244. AMABLE ADOLPHE COSTALLAT, of 13, Rue de Choiseul, Paris, in the Empire of France, for an invention for—"A new means for manufacturing artificial flowers." <i>Letters Patent sealed.</i>
INCE. BEDWELL. 2nd May 1866.	1245. WILLIAM INCE, of Commercial Street, Whitechapel, and WILLIAM HENRY BEDWELL, of Colchester, in the County of Essex, for an invention for—"An improvement in umbrellas." <i>Provisional protection only.</i>

STANLEY. 2nd May 1866.	1246. WILLIAM HUBERT STANLEY, of Chipping Campden, in the County of Gloucester, Civil Engineer, for an invention for—"Improvements in cricket wickets." <i>Letters Patent sealed.</i>
RAMSTEN. 2nd May 1866.	1247. CARL HENRIK RAMSTEN, of Woburn Place, Russell Square, in the County of Middlesex, Lieutenant in the Royal Swedish Navy, for an invention for—"Improvements in apparatus used when lowering and releasing ships' boats." <i>Letters Patent sealed.</i>
DE LA RUE. 2nd May 1866.	1248. WARREN DE LA RUE, of Bunhill Row, in the City of London, for an invention for—"Improvements in the manufacture of steel and iron." <i>Letters Patent sealed.</i>
NURSE. 2nd May 1866.	1249. CEDRIC NURSE, of Crawford Street, Bryanston Square, in the County of Middlesex, for an invention for—"Improvements in the manufacture of harness and saddlery." <i>Provisional protection only.</i>
BRIERLEY. 2nd May 1866.	1250. RICHARD BRIERLEY, of Walton le Dale, near Preston, in the County of Lancaster, Joiner and Builder, for an invention for—"Improvements in carts, wagons, lorries or any such like vehicles." <i>Provisional protection only.</i>
FEASEY. 2nd May 1866.	1251. GEORGE FEASEY, of Camberwell, in the County of Surrey, Engineer, for an invention for—"An improved preparation or composition for removing and preventing incrustation in steam-boilers." <i>Provisional protection only.</i>
URQUHART. 2nd May 1866.	1252. DAVID URQUHART, of Rickmansworth, in the County of Hertford, Gentleman, for an invention for—"Improvements in the construction of furnaces or fireplaces for economizing the fuel employed for warming, heating and ventilating buildings." <i>Letters Patent sealed.</i>
BOTTERILL. 2nd May 1866.	1253. JOHN BOTTERILL, of Leeds, in the County of York, Dyer, for an invention for—"Improvements in apparatus for consuming smoke." <i>Letters Patent sealed.</i>
MANFIELD. 3rd May 1866.	1254. HENRY ARTHUR MANFIELD, of Thornton Street, Brixton, in the County of Surrey, for an invention for—"Improvements in the method of and apparatus for pickling vegetables." <i>Letters Patent sealed.</i>
HARRISON. 3rd May 1866.	1255. CHARLES WEIGHTMAN HARRISON, of Oberstein Road, Clapham Junction, in the County of Surrey, Gentleman, for an invention for—"Improvements in obtaining copper and other metals from their ores." <i>Provisional protection only.</i>
SPENCE. 3rd May 1866.	1256. PETER SPENCE, of Newton Heath, Manchester, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the separation of certain metals from their ores, and in the production of sulphide of ammonium to be used in the process, which sulphide is also applicable to other purposes for which that salt is required." <i>Provisional protection only.</i>
BOURNE. 3rd May 1866.	1257. STEPHEN BOURNE, of Headstone Drive, Harrow, in the County of Middlesex, for an invention for—"Improvements in treating india-rubber and india-rubber compounds, and also india-rubber fabrics." <i>Letters Patent sealed.</i>
POST. CRANSTON. 3rd May 1866.	1258. JARED WILSON POST, and WILLIAM MCINTYRE CRANSTON, of 77, Upper Thames Street, in the City of London, for an invention for—"Improvements in scrapers for cleaning gun barrels and other tubes."— <i>A communication to them from abroad by Ephraim Lauriston Pratt, a person resident at Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
BOUSFIELD. 3rd May 1866.	1259. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of yarns or threads and woven fabrics, from wool or wool combined with other materials."— <i>A communication to him from abroad by Stanislas Vigoureux, a person resident at Rue des Poissonniers, St. Denis (Seine), in the Empire of France.</i> <i>Provisional protection only.</i>
FIELD. 4th May 1866.	1260. EDWARD FIELD, of Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, for an invention for—"Improvements in attaching buttons, clasps, hooks and eyes or other similar fastenings to leather or other partially elastic or yielding materials." <i>Letters Patent sealed.</i>

HOPE. 4th May 1866.	1261. JOHN GRAHAM HOPE, of Edinburgh, in the County of Mid Lothian, North Britain, Manufacturing Chemist, for an invention for—"An improved composition for destroying vermin on sheep and other animals, and for preserving them therefrom." <i>Provisional protection only.</i>
FURRELL. 4th May 1866.	1262. FREDERICK FURRELL, of Eastgate, Rochester, in the County of Kent, Shipowner, for an invention for—"An improved method of fixing rowlocks, crutches and thowls, to all descriptions of boats and craft propelled by oars." <i>Provisional protection only.</i>
BECKS. 4th May 1866.	1263. ARTHUR THOMAS BECKS, of Birmingham, in the County of Warwick, Iron Master, for an invention for—"Improvements in the manufacture or treatment of iron." <i>Letters Patent sealed.</i>
DOUGLAS. DOUGLAS. 4th May 1866.	1264. HENRY DOUGLAS, and JAMES DOUGLAS, both of Glasgow, in the County of Lanark, North Britain, Paper Tube Manufacturers, for an invention for—"Improvements in making cop tubes and in apparatus therefor." <i>Letters Patent sealed.</i>
BROOMAN. 4th May 1866.	1265. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improvement in combs."— <i>A communication to him from abroad by François Fauvelle Delebarre, of Paris, France.</i> <i>Provisional protection only.</i>
MOREL. 4th May 1866.	1266. AUGUSTIN MOREL, of Roubaix, in the Department of the Nord, in the Empire of France, Manufacturer, for an invention for—"Improvements in the treatment of filamentous materials, and in machinery or apparatus for combing the same." <i>Letters Patent sealed.</i>
GEDGE. 4th May 1866.	1267. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in railway rolling stock, with the object of ensuring the safety of travellers."— <i>A communication to him from abroad by Léon Edouard Laurency, of Paris, France.</i> <i>Provisional protection only.</i>
DARRAGH. 4th May 1866.	1268. RICHARD DARRAGH, of Bessbrook, in the County of Armagh, in Ireland, Temple and Shuttle Maker, for an invention for—"Improvements in shuttles." <i>Provisional protection only.</i>
BLEZARD. BLEZARD. BLEZARD. BLEZARD. 4th May 1866.	1269. THOMAS BLEZARD, JAMES BLEZARD the younger, JOHN BLEZARD, and NORMAN BLEZARD, all of Padiham, in the County of Lancaster, Machinists, for an invention for—"Improvements in self-acting temples for looms for weaving." <i>Letters Patent sealed.</i>
BARTRAM. 4th May 1866.	1270. WALKER BATES BARTRAM, of Redding, in the County of Fairfield, and State of Connecticut, United States of America, for an invention for—"Certain improvements in sewing-machines." <i>Letters Patent sealed.</i>
CAESARIS. 4th May 1866.	1271. CLEMENTE DE CAESARIS, of the Grange, Bermondsey, in the County of Surrey, for an invention for—"Improvements in preparing hides and skins for tanning." <i>Provisional protection only.</i>
BAPTY. NORTH. 4th May 1866.	1272. JOHN BAPTY, Commission Merchant, and FREDERICK NORTH, Woollen Extractor and Merchant, both of Leeds, in the County of York, for an invention for—"Improvements in machinery for preparing wool and other fibrous materials for combing and spinning." <i>Provisional protection only.</i>
WALKER. WARNER. 4th May 1866.	1273. JOHN WALKER, of Cowper Street, City Road, in the County of Middlesex, Engineer, and ARTHUR WARNER, of Laurence Pountney Lane, in the City of London, Merchant, for an invention for—"Improvements in compressing cotton or other light materials, upon trucks or waggons, for transit upon railways or other roads." <i>Provisional protection only.</i>
HOPE. 4th May 1866.	1274. JOHN GRAHAM HOPE, of Edinburgh, in the County of Mid Lothian, North Britain, Manufacturing Chemist, for an invention for—"An improved composition for destroying vermin on sheep and other animals, and for preserving them therefrom." <i>Letters Patent sealed.</i>

JOHNSON. 4th May 1866.	1275. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for lacing boots and shoes, gaiters and other articles of dress, and in the mode of attaching the same."— <i>A communication to him from abroad by William Henry Shurtleff and Charles Henry Church, both of Providence, Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
RÖDERS. 4th May 1866.	1276. AUGUST RÖDERS, of Soltau, in the Kingdom of Hanover, for an invention for—"Improvements in the manufacture of felt carpets." <i>Letters Patent sealed.</i>
BOUSFIELD. 4th May 1866.	1277. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for converting reciprocating into rotary motion."— <i>A communication to him from abroad by Merrick Mortimer Barnes, a person resident at East Hampton, State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
YOUNG. BRASH. 4th May 1866.	1278. WILLIAM YOUNG, Manager of the Oil Works, Straiton, in the County of Mid Lothian, and PETER BRASH, of Leith, in the same County, Soap, Candle and Oil Manufacturer, for an invention for—"Improvements in the distillation of coal, shale and other bituminous substances, to obtain oily matters therefrom, also in the redistillation of the products thereby obtained." <i>Letters Patent sealed.</i>
BOUSFIELD. 4th May 1866.	1279. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in steps for the spindles of spinning frames."— <i>A communication to him from abroad by Thomas Marsh, a person resident at Central Falls, Smithfield, in the County of Providence, and State of Rhode Island, United States of America.</i> <i>Provisional protection only.</i>
CRISPIN. 5th May 1866.	1280. WILLIAM HENRY CRISPIN, of Marsh Gate Lane, Stratford, in the County of Essex, for an invention for—"An improved steam roller for agricultural purposes." <i>Provisional protection only.</i>
MARSH. 5th May 1866.	1281. JAMES MARSH, of Dukinfield, in the County of Chester, Ironmoulder, for an invention for—"Certain improvements in apparatus for lubricating the spindles employed in machinery for spinning, doubling or twisting fibrous materials, which is also applicable for lubricating the 'foot bearings' of any vertical shafts."— <i>A communication to him from abroad by Thomas Marsh, of Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
DAVIES. 5th May 1866.	1282. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improved apparatus for exhausting and compressing air, applicable to the transmission of despatches and other objects through tubes, and to raising water."— <i>A communication to him from abroad by Jean Baptiste Java Mignon and Stanislas Henri Rouart, of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 5th May 1866.	1283. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in machinery for combing wool and other fibres."— <i>A communication to him from abroad by Amedée Prouvost, of Roubaix, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 5th May 1866.	1284. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in drawing or propelling boats, barges, rafts and other similar structures, on canals, rivers and such like waters."— <i>A communication to him from abroad by Greenleaf Stackpole, of New York, United States of America.</i> <i>Provisional protection only.</i>
ROCK. 5th May 1866.	1285. THOMAS DENNIS ROCK, of Leadenhall Street, in the City of London, Merchant, for an invention for—"Improvements in stands for telescopes, surveying and other instruments, which stands are also applicable for other purposes." <i>Provisional protection only.</i>
BRICKNELL. 5th May 1866.	1286. AUGUSTUS LEA BRICKNELL, of Stratford-on-Avon, in the County of Warwick, Cabinet Maker, for an invention for—"Improvements in apparatus applicable as a rotary engine, pump and water meter." <i>Provisional protection only.</i>

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| <p>BOOTH.
5th May 1866.</p> <p>JOHNSON.
5th May 1866.</p> <p>STATHAM.
COLLINS.
5th May 1866.</p> <p>HARTSHORN.
5th May 1866.</p> <p>YORK.
5th May 1866.</p> <p>CHATWOOD.
STURGEON.
5th May 1866.</p> <p>MILNER.
7th May 1866.</p> <p>DE TIVOLI.
7th May 1866.</p> <p>DE TIVOLI.
7th May 1866.</p> <p>WADDINGTON.
7th May 1866.</p> <p>POCHERON.
7th May 1866.</p> <p>CHADWICK.
BREMME.
7th May 1866.</p> <p>FIDLER.
7th May 1866.</p> <p>CROSS.
7th May 1866.</p> | <p>1287. JONATHAN LAW BOOTH, of Rochester, in the County of Monroe, and State of New York, United States of America, for an invention for—"Improvements in rails for railways and in the mode of and apparatus for producing the same."
<i>Letters Patent sealed.</i></p> <p>1288. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for washing wool."—<i>A communication to him from abroad by Julien Désiré Houget and Charles Teston, both of Verviers, in the Kingdom of Belgium.</i>
<i>Provisional protection only.</i></p> <p>1289. HARRY STATHAM, India-rubber Manufacturer, and BENONI COLLINS, Manager, both of the City of Manchester, and County of Lancaster, for an invention for—"Improvements in or applicable to carriage, buffer, draw and other springs."
<i>Provisional protection only.</i></p> <p>1290. JAMES HARTSHORN, of Nottingham, for an invention for—"An improved method or system of producing mattings or tabby weavings, in lace manufactured in twist lace machines."—<i>A communication to him from abroad by Leon Berquier, a person resident at St. Pierre-les-Calais, France.</i>
<i>Letters Patent sealed; no specification filed.</i></p> <p>1291. HENRY KINNAIRD YORK, of Grange Town Iron Works, Cardiff, for an invention for—"Improvements in the manufacture of iron and steel."
<i>Letters Patent sealed.</i></p> <p>1292. SAMUEL CHATWOOD, of Bolton, in the County of Lancaster, Safe and Lock Engineer, and JOHN STURGEON, of Burley, near Leeds, in the County of York, Consulting Engineer, for an invention for—"Improvements in cupola and other furnaces."
<i>Provisional protection only.</i></p> <p>1293. JOHN MILNER, of Buckingham Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the expansion gear of steam-engines."
<i>Provisional protection only.</i></p> <p>1294. VITAL DE TIVOLI, of 50, Claverton Street, Pimlico, London, in the County of Middlesex, for an invention for—"A new form of partial or total baths for man or animals."—<i>A communication to him from abroad by Major-General Angelini, residing at Florence, in Italy.</i>
<i>Provisional protection NOT granted.</i></p> <p>1295. VITAL DE TIVOLI, of 50, Claverton Street, Pimlico, London, in the County of Middlesex, for an invention for—"A new system of application of pads of india-rubber or other elastic materials."—<i>A communication to him from abroad by Major-General Angelini, residing at Florence, Italy.</i>
<i>Provisional protection NOT granted.</i></p> <p>1296. FREDERIC WADDINGTON, of 53, Rue du Faubourg Poissonnière, Paris, Department of the Seine, Empire of France, Manufacturer, for an invention for—"An improved machine for cleaning and preparing cotton and other woven fabrics."
<i>Letters Patent sealed.</i></p> <p>1297. ANTOINE POCHERON, of No. 15, Passage des Petites Ecuries, Paris, in the Empire of France, Glass Manufacturer, for an invention for—"Improvements in the manufacture of glass."
<i>Letters Patent sealed.</i></p> <p>1298. DANIEL CHADWICK, junior, of Liverpool, in the County of Lancaster, Rope Manufacturer, and GUSTAV ALBRECHT CARL BREMME, also of Liverpool, Engineer, formerly of Unna, Westphalia, in the Kingdom of Prussia, for an invention for—"Improvements in machinery for dressing fibres."
<i>Letters Patent sealed and specification filed by order.</i></p> <p>1299. EDWARD FIDLER, of Wigan, in the County of Lancaster, Colliery Proprietor, for an invention for—"Improved machinery for holeing, cutting, getting and drilling coal or other minerals."
<i>Letters Patent sealed.</i></p> <p>1300. WILLIAM WHEELER CROSS, of Birmingham, in the County of Warwick, Action Filer, for an invention for—"Improvements in working the extractors for central-fire guns."
<i>Letters Patent sealed.</i></p> |
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- McILWRAITH.
8th May 1866.
1316. WALTER McILWRAITH, of the firm of James McIlwraith and Company, of Glasgow, in the County of Lanark, North Britain, Railway Wagon Cover Manufacturers, for an invention for—"Improvements in apparatus for coating wagon covers and other fabrics and materials." *Letters Patent sealed.*
- SWANN.
8th May 1866.
1317. JOHN RUSSELL SWANN, of 21, Leith Walk, Edinburgh, for an invention for—"Improvements in lime kilns or apparatus to be used in burning lime." *Letters Patent sealed.*
- BOUSFIELD.
8th May 1866.
1318. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in cordage, webbing and similar articles, and in machinery for manufacturing the same."—*A communication to him from abroad by James Amiraux Bazin, a person resident at Canton, State of Massachusetts, United States of America.* *Letters Patent sealed.*
- CRAWFORD.
8th May 1866.
1319. JOSHUA CRAWFORD, of the City of Toronto, in the County of York, and Province of Canada, for an invention for—"Improvements in abdominal supporters." *Provisional protection NOT granted.*
- NORTON.
GILES.
8th May 1866.
1320. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, and ALFRED GILES, of Manchester, in the County of Lancaster, for an invention for—"Improvements in apparatus to be employed in evaporating volatile and combustible liquids to obtain light or heat therefrom." *Letters Patent sealed.*
- GAUTIER.
DOMEIER.
8th May 1866.
1321. DESIRÉE GAUTIER, of 14, New Cavendish Street, Portland Place, in the County of Middlesex, and ALBERT DOMEIER, of Basinghall Chambers, Basinghall Street, in the City of London, for an invention for—"Improvements in apparatus for supporting and extending the skirts of ladies' dresses." *Provisional protection only.*
- RITCHIE.
8th May 1866.
1322. JOSEPH HORATIO RITCHIE, junior, of Leadenhall Street, in the City of London, for an invention for—"Improvements in attaching wooden planking to iron ships and other vessels." *Letters Patent sealed.*
- HENRY.
8th May 1866.
1323. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Joseph Reimann, of 33, Boulevard Saint Martin, Paris, France.* *Provisional protection only.*
- BELL.
8th May 1866.
1324. SAMUEL ALEXANDER BELL, of Epping Villas, Stratford, in the County of Essex, Gentleman, for an invention for—"Improvements in the manufacture of tapers and of friction matches, and in the means of igniting friction matches." *Provisional protection only.*
- FLETCHER.
9th May 1866.
1325. JAMES FLETCHER, of the firm of Messieurs William Collier and Company, of Salford, in the County of Lancaster, Engineers and Tool Makers, for an invention for—"Improvements in machines for cutting, rolling and shearing bars or beams of metal for making rivets and for other purposes." *Letters Patent sealed.*
- JOHNSON.
9th May 1866.
1326. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for drying and cooling grain, applicable also to the manufacture of malt."—*A communication to him from abroad by James Foley, of Montreal, in the Province of Canada.* *Provisional protection only.*
- JONES.
9th May 1866.
1327. JOHN ALLCOCK JONES, of Middlesboro'-on-Tees, in the County of York, for an invention for—"Improvements in the manufacture of non-conducting substances for impeding the passage of heat." *Letters Patent sealed.*
- GEDGE.
9th May 1866.
1328. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved method of and apparatus for preserving the banks of rivers and watercourses, or other embankments, from corrosion or wasting."—*A communication to him from abroad by Charles Nicoli, of Casatisma, near Pavia, Italy, Lawyer.* *Provisional protection only.*
- SHELDON.
9th May 1866.
1329. JOSEPH SHELDON, of the City and County of New Haven, State of Connecticut, United States of America, Lawyer, for an invention for—"Improvements in water pressure regulators."—*A communication to him by John Bishop, of New Haven, aforesaid.* *Letters Patent sealed.*

MIDDLETON. 9th May 1866.	1330. SAMUEL MIDDLETON, of No. 19, Shoemaker's Row, in the City of London, Shoemaker, for an invention for—"Improvements in the method and means of securing and discharging the contents of pipes and vessels." <i>Letters Patent sealed.</i>
ESSEX. 9th May 1866.	1331. HENRY ESSEX, of Haverstraw, in the State of New York, United States of America, for an invention for—"An improvement in sewing needles." <i>Letters Patent sealed.</i>
ROWLAND. 9th May 1866.	1332. ROBERT ROWLAND, of the City and State of New York, United States of America, for an invention for—"An improvement in the manufacture of metallic acetates and carbonates simultaneously with the production of vinegar and glucose." <i>Provisional protection only.</i>
NEWTON. 9th May 1866.	1333. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rotary blowers."— <i>A communication to him from abroad by Francis Marion Roots and Philander Highley Roots, both of Cornersville, Indiana, United States of America.</i> <i>Letters Patent sealed.</i>
DALLAS. 9th May 1866.	1334. DUNCAN CAMPBELL DALLAS, of 108, Fleet Street, in the City of London, for an invention for—"Improvements in the production of printing and other surfaces in relief or intaglio." <i>Letters Patent sealed.</i>
SOWDEN. STEPHENSON. 10th May 1866.	1335. DAVID SOWDEN, and REUBEN CALVERT STEPHENSON, of Bradford, in the County of York, Machine Makers and Iron Founders, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
ASHWORTH. ASHWORTH. 10th May 1866.	1336. GEORGE ASHWORTH, and ELIJAH ASHWORTH, both of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in mechanism or apparatus for turning over leaves either in a folded, stitched or bound state." <i>Letters Patent sealed.</i>
HACKETT. MARSDEN. 10th May 1866.	1337. WILLIAM HACKETT, and WILLIAM MARSDEN, both of Leek, in the County of Stafford, Plumbers, for an invention for—"Certain improvements in the construction of waterclosets and in the valves connected therewith." <i>Letters Patent sealed.</i>
BROTHERS. 10th May 1866.	1338. ORLANDO BROTHERS, of Blackburn, in the County of Lancaster, Gas Engineer, for an invention for—"Improvements in governors or apparatus for regulating and controlling the pressure and flow of illuminating gas or other gaseous fluids." <i>Letters Patent sealed.</i>
COLE. MELLAND. 10th May 1866.	1339. JOHN COLE, of Great Portland Street, in the County of Middlesex, and GEORGE STEPHENS MELLAND, of No. 38, Lime Street, in the City of London, Gun Manufacturers, for an invention for—"An improved mode of and means for extracting cartridge cases from breech-loading fire-arms." <i>Letters Patent sealed.</i>
HOLLIDAY. 10th May 1866.	1340. READ HOLLIDAY, of Huddersfield, in the County of York, Manufacturing Chemist, for an invention for—"Improvements in obtaining green coloring matters of various shades for dyeing and printing."— <i>A communication to him from abroad by Heinrich Minhorst and Friedrich Wilhelm Schultes, of Crefeld, in the Kingdom of Prussia.</i> <i>Letters Patent sealed.</i>
BLECKMANN. 10th May 1866.	1341. JOHANN HEINRICH AUGUST BLECKMANN, of Solingen, in the Kingdom of Prussia, and temporarily of the Royal Hotel, New Bridge Street, Blackfriars, in the City of London, Merchant, for an invention for—"An improved explosive compound."— <i>A communication to him from abroad by Wilhelm Fehleisen and Ernst Fehleisen, both of Cilli, Styria, in the Austrian Empire.</i> <i>Letters Patent sealed.</i>
WHITE. 10th May 1866.	1342. JOHN WHITE, of Spa Road, Bermondsey, in the County of Surrey, Engineer, for an invention for—"Improvements in the manufacture of hair felt and in apparatus therefor." <i>Letters Patent sealed.</i>
BODMER. 10th May 1866.	1343. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Engineer and Patent Agent, for an invention for—"Improvements in double cylinder carding-engines."— <i>A communication to him from abroad by Anton Girardoni, of Vienna, in the Empire of Austria.</i> <i>Letters Patent sealed.</i>
RICKARDS. 10th May 1866.	1344. JOHN LAURIE RICKARDS, of Westbourne Park Road, in the County of Middlesex, M.I.C.E., for an invention for—"Improvements in candlesticks and apparatus connected therewith." <i>Provisional protection only.</i>

- BOTWOOD.**
10th May 1866. 1345. WILLIAM BOTWOOD, of No. 105, St. Helen's Street, Ipswich, in the County of Suffolk, for an invention for—"Improvements in carriages or vehicles running on two wheels."
Letters Patent sealed.
- BERNARD.**
10th May 1866. 1346. JULIAN BERNARD, of 47, Lincoln's Inn Fields, London, but at present residing at No. 50, George Square, Glasgow, in the County of Lanark, North Britain, Gentleman, for an invention for—"Improvements in elevating and forcing water and other fluids, and in the machinery or apparatus connected therewith."
Letters Patent sealed.
- THORNTON.**
10th May 1866. 1347. THOMAS THORNTON, of Dundee, in the County of Forfar, North Britain, Solicitor, for an invention for—"Improvements in raising and lowering ships' boats and other weights, and in the apparatus used therefor."—*A communication to him from abroad by Digby Murray, Master of the Ship "Mofussilite," lying in Bombay Harbour.*
Letters Patent sealed.
- NEWTON.**
10th May 1866. 1348. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for manufacturing illuminating gas."—*A communication to him from abroad by Levi Stevens and Norman Carmi Munson, both of Shirley, Massachusetts, in the United States of America.*
Letters Patent sealed.
- NICOLL.**
10th May 1866. 1349. DONALD NICOLL, of Oaklands Hall, West End, Kilburn, in the County of Middlesex, Esquire, for an invention for—"Improvements in the means of and apparatus for preserving animal and vegetable substances from decomposition or decay, and for the conveyance and transport of the same."
Letters Patent sealed.
- PROSSER.**
11th May 1866. 1350. WILLIAM PROSSER, of 7, York Terrace, St. John's Wood, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for treating metals, metallic ores and other mineral substances."
Letters Patent sealed.
- AUSTIN.**
11th May 1866. 1351. WILLIAM AUSTIN, of 14, Dorset Place, Wellington Road, Holloway, in the County of Middlesex, Architect, for an invention for—"Improvements in joining pipes and tubes, and in the packing to be employed for that purpose."
Letters Patent sealed.
- HART.**
11th May 1866. 1352. JOHN MATTHIAS HART, of 76, Cheapside, in the City of London, Lock Manufacturer, for an invention for—"Improvements in connecting knobs or handles and their spindles to locks and latches."
Letters Patent sealed.
- MOORE.**
HASLAM.
ROBINSON.
11th May 1866. 1353. WILLIAM CAMERON MOORE, Cotton Spinner, JONATHAN MORT HASLAM, Manager, and JOHN ROBINSON, Mechanic, all of Bamford, in the County of Derby, for an invention for—"Certain improvements in machinery for preparing, spinning and doubling cotton or other fibrous substances."
Letters Patent sealed; specification filed by order.
- WIMPENNY.**
11th May 1866. 1354. THOMAS WIMPENNY, of Holmfirth, in the County of York, Manufacturer, for an invention for—"Certain improvements in furnaces employed in generating steam."
Provisional protection only.
- WELDON.**
11th May 1866. 1355. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements in the production of sulphide of sodium, and in the treatment thereof for the manufacture of soda."
Provisional protection only.
- CRAIG.**
11th May 1866. 1356. JOHN CRAIG, of Finlayston, in the County of Renfrew, North Britain, for an invention for—"Improvements in securing door handles."
Provisional protection only.
- FRASER.**
11th May 1866. 1357. HUGH FRASER, of Stirling, in the County of Stirling, North Britain, for an invention for—"Improvements in corking bottles and in the machinery or apparatus connected therewith."
Provisional protection only.
- NICOLL.**
11th May 1866. 1358. BENJAMIN NICOLL, of Regent Street, in the County of Middlesex, for an invention for—"Improvements in the economical construction and ornamentation of buildings."
Letters Patent sealed.
- BRASIER.**
11th May 1866. 1359. EDWARD BRASIER, of South Terrace, New Cross, in the County of Surrey, Engineer, for an invention for—"Improvements in machinery for scutching and preparing flax, hemp or other fibrous materials."
Letters Patent sealed.

CLARK. 11th May 1866.	1360. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in shoes and other appliances for the protection of the feet and ankles of horses and other animals."— <i>A communication to him from abroad by Albert Sayles Wilkinson, of Pawtucket, Providence County, State of Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
HUNT. 11th May 1866.	1361. THOMAS HUNT, of Leman Street, Goodman's Fields, in the City of London, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
HARRISON. HARRISON. HARRISON. 12th May 1866.	1362. WILLIAM HARRISON, JOHN HARRISON, and HENRY HARRISON, of the firm of J. Harrison and Sons, of Blackburn, in the County of Lancaster, Engineers, for an invention for—"Improvements in machinery for hammering cylinders and other articles of sheet metal." <i>Letters Patent sealed.</i>
CHAPMAN. ROSE. 12th May 1866.	1363. THOMAS JACKSON CHAPMAN, Agent, and THOMAS ROSE, Gentleman, both of Oxtou, in the County of Chester, for an invention for—"Improvements in the construction of water-closets." <i>Letters Patent sealed.</i>
SOUTHWELL. SOUTHWELL. SOUTHWELL. 12th May 1866.	1364. WILLIAM HENRY SOUTHWELL, FREDERICK SOUTHWELL, and EDWIN SOUTHWELL, all of Baker Street, in the County of Middlesex, Photographers, for an invention for—"Improvements in the production of photographic prints." <i>Provisional protection only.</i>
PRICE. 12th May 1866.	1365. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Chemist, for an invention for—"Improvements in the means of effecting the combustion of fuel and in apparatus employed therein."— <i>A communication to him from abroad by Jakob Bührer and Carl Hamel, both of Munich, in the Kingdom of Bavaria.</i> <i>Letters Patent sealed.</i>
JASPER. 12th May 1866.	1366. GUSTAVUS ADOLPHUS JASPER, of the State of Massachusetts, of the United States of America, for an invention for—"A new or improved process of cleansing animal black or bone charcoal, after or before its use for the purpose of filtering a saccharine syrup." <i>Complete specification; Letters Patent sealed.</i>
PRYSE. REDMAN 12th May 1866.	1367. CHARLES PRYSE, and RICHARD REDMAN, Gun Manufacturers, of Birmingham, in the County of Warwick, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
DENNIS. 12th May 1866.	1368. WILLIAM DENNIS, of 106, Cambridge Street, Pimlico, in the County of Middlesex, for an invention for—"Improvements in casks and taps for drawing liquids therefrom." <i>Provisional protection only.</i>
POPE. 14th May 1866.	1369. ROBERT BAND POPE, of Dumbarton, in the County of Dumbarton, North Britain, Engineer, for an invention for—"Improvements in governing apparatus applicable for regulating the speed of all kinds of machinery, the motive force acting on which can be altered by adjusting a valve or sluice." <i>Provisional protection only.</i>
FYERS. 14th May 1866.	1370. ROBERT FYERS, of the Royal Engineer Office, Colchester, in the County of Essex, for an invention for—"Improvements in the construction of umbrellas and parasols." <i>Provisional protection only.</i>
WEBSTER. 14th May 1866.	1371. JOHN WEBSTER, of Gordon Castle Gardens, Fochabers, N.B., for an invention for—"A new method of hoeing, raking and rolling gravel walks and in apparatus therefor." <i>Provisional protection only.</i>
GERARD. 14th May 1866.	1372. WILLIAM GERARD, of New York, United States of America, now residing at 108, Minories, in the City of London, for an invention for—"Improvements in fittings applicable to ships' decks to make tight joints around masts and other projections."— <i>The result partly of a communication made to him from abroad by Andrew Gove, a person resident at San Francisco, and partly of his own invention.</i> <i>Letters Patent sealed.</i>
BOVILL. 14th May 1866.	1373. GEORGE HINTON BOVILL, of 24, Duke Street, Westminster, Civil Engineer, for an invention for—"Improvements in the mode of applying sewage to land." <i>Letters Patent sealed.</i>

- NEWTON.**
14th May 1866. 1374. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improvement in metallic barrels and other vessels for containing oil, water and other fluids."—*A communication to him from abroad by William Stuben De Zeng, of Geneva, in the State of New York, United States of America.* Letters Patent sealed.
- HOLT.**
14th May 1866. 1375. THOMAS HOLT, of Trieste, in the Empire of Austria, but now of 66, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the construction of steam-boilers." Letters Patent sealed.
- JOHNSON.**
14th May 1866. 1376. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in self-acting fire-alarms."—*A communication to him from abroad by Charles Dion, of the City of Montreal, in the Province of Canada, Photographic Artist.* Letters Patent sealed.
- PHILLIPS.**
15th May 1866. 1377. JAMES EDWIN PHILLIPS, of Spittlegate Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in axles for railway and other carriages." Provisional protection only.
- GRAFTON.**
15th May 1866. 1378. HENRY GRAFTON, of Fulham, in the County of Middlesex, Engineer, for an invention for—"Improvements in gun locks."—*A communication to him from abroad by William Rudolph and Augustus Braun, of San Francisco, U.S. of America.* Complete specification; Letters Patent sealed.
- HASELTINE.**
15th May 1866. 1379. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in centrifugal governors."—*A communication to him from abroad by David Shive, of Philadelphia, Pennsylvania, United States of America.* Letters Patent sealed.
- CHEVERTON.**
15th May 1866. 1380. JAMES CHEVERTON, of Elm Villa, Turnham Green, in the County of Middlesex, Gentleman, for an invention for—"An improved method of obtaining surfaces for printing from stereotyping and electrotyping." Letters Patent sealed.
- DE LA RUE.**
MÜLLER.
15th May 1866. 1381. WARREN DE LA RUE, of Bunhill Row, and HUGO MÜLLER, of No. 79, Gower Street, both in the County of Middlesex, for an invention for—"Improvements in treating the residues of pyrites, usually called burned ores." Letters Patent sealed.
- PAYTON.**
15th May 1866. 1382. WALTER PAYTON, of 70, Sewardstone Road, Victoria Park, in the County of Middlesex, for an invention for—"Improvements in the construction of dry gas-meters, part of which improvements is also applicable to meters for measuring water and other liquids." Letters Patent sealed.
- MÜLLER.**
DE LA RUE.
15th May 1866. 1383. HUGO MÜLLER, of No. 79, Gower Street, and WARREN DE LA RUE, of Bunhill Row, both in the County of Middlesex, for an invention for—"Improvements in treating printers' rags." Letters Patent sealed; no specification filed.
- HASELTINE.**
15th May 1866. 1384. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the mode of and means for promoting ventilation."—*A communication to him from abroad by Henry Albert Gouge, of Brooklyn, New York, United States of America.* Complete specification; Letters Patent sealed.
- NICHOL.**
15th May 1866. 1385. BRYCE GREY NICHOL, of Spital Tongues, near Newcastle-on-Tyne, in the County of Northumberland, for an invention for—"Improvements in the construction of rotary engines to be worked by steam or other power." Provisional protection only.
- COCHRANE.**
16th May 1866. 1386. ALEXANDER COCHRANE, Patent and Parliamentary Agent and Contractor, of 27, Bucklersbury, Cheapside, in the City of London, for an invention for—"Improved methods of fastening covers or cushions to chairs and other similar seats." Provisional protection only.
- GISBORNE.**
16th May 1866. 1387. JOHN SACHEVERELL GISBORNE, of Liverpool, in the County of Lancaster, Electrical Engineer, for an invention for—"Improvements in and connected with thief and fire proof safes." Letters Patent sealed.
- FIELD.**
16th May 1866. 1388. FREDERICK FIELD, of the firm of John Charles and John Field, of Upper Marsh, Lambeth, in the County of Surrey, for an invention for—"Improvements in the manufacture of candles." Letters Patent sealed.

CURRY. 16th May 1866.	1389. WILLIAM CURRY, of Glasgow, in the County of Lanark, North Britain, Accountant, for an invention for—"Improvements in the manufacture of bricks, tiles and other plastic substances, and in the machinery or apparatus employed therefor." <i>Letters Patent sealed.</i>
PRICE. PRICE. 16th May 1866.	1390. ELIHU PRICE, and CYRUS PRICE, both of Wolverhampton, in the County of Stafford, Manufacturers, for an invention for—"Improvements in safes, strong rooms, iron doors and their locks." <i>Letters Patent sealed.</i>
BARTLETT. 16th May 1866.	1391. JOSEPH WEATHERBY BARTLETT, of the City, County and State of New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
ELLIOTT. 16th May 1866.	1392. GEORGE AUGUSTUS ELLIOTT, of Beckenham, in the County of Kent, Architect, for an invention for—"Improved modes of and apparatus for opening and closing railway carriage and other windows." <i>Provisional protection only.</i>
AGGIO. COTTI. FERRARIO. 16th May 1866.	1393. CONSTANCE-AGGIO, of St. John's Wood Grove, Decorative Artist, FRANCESCO COTTI, of Church Street, Edgware Road, Decorative Artist, and NATALE FERRARIO, Confectioner, of Holborn Hill, all in the County of Middlesex, for an invention for—"Improved means and apparatus for preserving and saving life and property at sea in case of shipwreck." <i>Provisional protection only.</i>
CLARK. 16th May 1866.	1394. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in lamps for burning mineral and other oils."— <i>A communication to him from abroad by Etienne Jammes, of 29, Boulevard St. Martin, Paris, Merchant.</i> <i>Provisional protection only.</i>
CLARK. 16th May 1866.	1395. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in furnaces and other fire-places."— <i>A communication to him from abroad by Frédéric Marie Piret and Eugène Michel, Engineers, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
NEWTON. 16th May 1866.	1396. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by John Burke, of Sycamore, in the State of Illinois, United States of America.</i> <i>Letters Patent sealed.</i>
MACDONALD. 17th May 1866.	1397. GEORGE MACDONALD, of Aston, near Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for cleaning and ginning cotton and other fibrous substances." <i>Letters Patent sealed.</i>
HAMPTON. 17th May 1866.	1398. JOSIAH HAMPTON, Engineer, of the firm of Hampton and Company, Refrigerator Manufacturers, carrying on business at Loughborough, in the County of Leicester, and for and on behalf of the said firm, for an invention for—"Improvements in furnaces for obtaining perfect combustion of fuel." <i>Letters Patent sealed.</i>
DENNIS. 17th May 1866.	1399. THOMAS HUNGATE PRESTON DENNIS, of Chelmsford, in the County of Essex, Horticultural Builder, for an invention for—"Improvements in greenhouses and specially relating to the fixings, fittings, ventilation and shading of the same." <i>Letters Patent sealed.</i>
CHAPMAN. 17th May 1866.	1400. CHARLES CHAPMAN, of No. 3, Leadenhall Street, in the City of London, Master Mariner, for an invention for—"Improvements in the rig of ships, and the setting, reefing and taking-in of their sails from the deck." <i>Letters Patent sealed.</i>
BERNARD. 17th May 1866.	1401. JULIAN BERNARD, of No. 47, Lincoln's Inn Fields, London, but at present residing at No. 50, George Square, Glasgow, in the County of Lanark, North Britain, Gentleman, for an invention for—"Improvements in motive-power engines, parts of which are specially adapted for raising and forcing water and for other mining purposes." <i>Letters Patent sealed; no specification filed.</i>
BEALE. 17th May 1866.	1402. JOHN BEALE, of East Greenwich, in the County of Kent, Engineer, for an invention for—"An improved rotary engine to be used for pumping fluids or gases, or as a motive-power." <i>Letters Patent sealed.</i>

- THOMAS.
PRINCE.
17th May 1866.
1403. JOHN THOMAS, of Battersea, in the County of Surrey, Iron Founder, and ALEXANDER PRINCE, of No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the means of treating scoria or slag of copper ores, iron pyrites or scoria from other ores containing iron, and of reducing titanite iron ore for the purpose of extracting the iron therefrom."
Letters Patent sealed.
- NEWTON.
17th May 1866.
1404. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of and instrument for measuring the depth of water and the compression of liquids."—*A communication to him from abroad by Sidney Edwards Morse and Gilbert Livingston Morse, both of Harrison, in the State of New Jersey, United States of America.*
Letters Patent sealed.
- FLEETWOOD.
17th May 1866.
1405. DANIEL JOSEPH FLEETWOOD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in machinery for raising and stamping metal."
Letters Patent sealed.
- VANDIRBYL.
17th May 1866.
1406. PHILIP VANDIRBYL, of No. 6, Great Winchester Street, in the City of London, Merchant, for an invention for—"Improvements in condensing apparatus."—*A communication to him from abroad by John Turnbull, a person resident at Melbourne, Australia.*
Provisional protection only.
- GESELL.
LEA.
18th May 1866.
1407. RICHARD GESELL, and ALFRED LEA, both of Nos. 28 and 29, Great Sutton Street, Goswell Street, in the County of Middlesex, Picture Frame and Moulding Manufacturers, for an invention for—"An improved method of and apparatus for preparing and fluting picture and other frames and mouldings."—*A communication to them from abroad by Guiliamimus Pohlmann and John Dalk, both of Brussels, in the Kingdom of Belgium, Engineers.*
Provisional protection only.
- LYTTLÉ.
18th May 1866.
1408. WILLIAM ALEXANDER LYTTLÉ, Officer of the Secretary's Department, General Post Office, London, for an invention for—"Improvements in steam generators."
Letters Patent sealed.
- MORAND.
18th May 1866.
1409. PETER JOSEPH MORAND, of the City of Manchester, in the County of Lancaster, Druggist's Sundryman, for an invention for—"Improvements in infants' feeding bottles."
Letters Patent sealed.
- BERNARD.
18th May 1866.
1410. JULIAN BERNARD, of No. 47, Lincoln's Inn Fields, London, but at present residing at No. 50, George Square, Glasgow, in the County of Lanark, North Britain, Gentleman, for an invention for—"Certain improvements in generating and heating steam, gas and vapours, and in the machinery or apparatus employed therefor."
Letters Patent sealed.
- SHARP.
SMITH.
18th May 1866.
1411. JAMES SHARP, and ROBERT SMITH, both of Blackford, in the County of Perth, North Britain, for an invention for—"An improved combustible and inextinguishable compound."
Provisional protection only.
- FOX.
18th May 1866.
1412. JOSEPH WESLEY FOX, of De Beauvoir Road, Kingsland, in the County of Middlesex, Commercial Clerk, for an invention for—"An improved apparatus for containing and dispersing or scattering liquid scents and other liquids."—*A communication to him from abroad by William Trivet Fox, of 38, Rue de l'Echiquier, Paris, in the French Empire.*
Provisional protection only.
- DEVILLIARD.
POSTWEILER.
18th May 1866.
1413. PHILIPPE DEVILLIARD, and ACHILLE POSTWEILER, Carriage Builders, of No. 82, Boulevard Sébastopol, Paris, in the Empire of France, for an invention for—"Improvements in doors to landau and other carriages similar thereto."
Letters Patent sealed.
- BÜNGER.
18th May 1866.
1414. WILLIAM BÜNGER, of 17, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machines for cutting and harvesting grain and grass crops."—*A communication to him from abroad by Moritz Poll and William Angele, of the firm Isidore Pintus and Comp^{te}, of Brandenburg upon the Havel, in the Kingdom of Prussia, Civil Engineers.*
Provisional protection only.
- GRIFFITHS.
RIGG.
18th May 1866.
1415. ROBERT GRIFFITHS, of Rhual Issa, near Mold, in the County of Flint, Engineer, and ARTHUR RIGG, junior, of the City of Chester, Engineer, for an invention for—"Improvements in apparatus for propelling and steering steam vessels."
Provisional protection only.

PURCELL. 18th May 1866.	1416. JOSEPH PURCELL, Merchant, of the Town of Lowestoft, in the County of Suffolk, for an invention for—"A new or improved machine for breaking or crushing ice, applicable to other purposes." <i>Provisional protection only.</i>
FOSBERY. 19th May 1866.	1417. GEORGE VINCENT FOSBERY, V.C., a Captain in the Bengal Army, of Ladywell House, near Brixham, in the County of Devon, for an invention for—"Improvements in the lock and other parts of breech-loading fire-arms, and in cartridges for the same." <i>Letters Patent sealed; specification filed by order.</i>
BROWN. 19th May 1866.	1418. JOHN BROWN, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in machinery for cutting or slicing timber, more especially applicable for cutting laths for building purposes, tobacco or any fibrous substance." <i>Letters Patent sealed.</i>
WILSON. 19th May 1866.	1419. HENRY WILSON, of Stockton-upon-Tees, in the County of Durham, for an invention for—"Improvements in cocks or taps for the attachment of pipes, with soldered or plumber's joints." <i>Provisional protection only.</i>
FIELD. FIELD. 19th May 1866.	1420. JOHN LYON FIELD, of Chelsea, in the County of Middlesex, Gentleman, and JOHN KINGSFORD FIELD, of Upper Marsh, Lambeth, in the County of Surrey, Candle Manufacturer, for an invention for—"Improved adaptable ends for candles." <i>Letters Patent sealed.</i>
VINCENT. 19th May 1866.	1421. GEORGE JACKSON VINCENT, of Birmingham, in the County of Warwick, for an invention for—"An improved method of securing or holding flat bottomed or bridge rails." <i>Letters Patent sealed and specification filed by order.</i>
SEMPLE. 19th May 1866.	1422. MATTHEW SEMPLE, of Axminster, in the County of Devon, Gentleman, for an invention for—"A new method of obtaining motive-power, and the apparatus employed therein." <i>Letters Patent sealed.</i>
WALTON. 19th May 1866.	1423. NICHOLAS WALTON, of the City of Worcester, for an invention for—"Improvements in machinery or apparatus for soaping, washing, fulling, milling, wringing, mangling and ironing clothes and fabrics." <i>Letters Patent sealed; no specification filed.</i>
BROWN. 19th May 1866.	1424. JAMES BRYCE BROWN, of 18, Cannon Street, and 148, Upper Thames Street, London, for an invention for—"Improvements in mowing machines." <i>Provisional protection only.</i>
RAMSDEN. 19th May 1866.	1425. JOHN CARTER RAMSDEN, of Bradford, in the County of York, Reed Maker, for an invention for—"Improvements in the manufacture of reeds for weaving and other purposes." <i>Provisional protection only.</i>
BARLOW. 21st May 1866.	1426. HENRY BERNOULLI BARLOW, of the City of Manchester, Patent Agent, for an invention for—"Improvements in machinery for preparing and spinning hemp and other fibrous substances."— <i>A communication to him from abroad by Ernest Bazin, of Paris, in the Empire of France, Civil Engineer.</i> <i>Provisional protection only.</i>
TOMBS. 21st May 1866.	1427. JAMES TOMBS, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of metallic bedsteads and other articles of like manufacture." <i>Letters Patent sealed.</i>
CASSE. 21st May 1866.	1428. ADOLPHE CASSE, of the firm of Jean Casse et Fils, of the City of Lille, in the French Empire, Manufacturers, for an invention for—"Improvements in manufacturing textile fabrics." <i>Letters Patent sealed.</i>
GADD. MOORE. 21st May 1866.	1429. WILLIAM GADD, of Stratford Square, Nottingham, and JOHN MOORE, of Manchester, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
LIVESEY. 21st May 1866.	1430. JAMES LIVESEY, of 10, Park St., Westminster, Engineer, for an invention for—"Improvements in treating cast iron."— <i>A communication to him from abroad by Thomas Blair, a person resident at Pittsburg, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
DUNLOP. 21st May 1866.	1431. JOHN MACMILLAN DUNLOP, of Manchester, Engineer, for an invention for—"Improvements in machinery for cutting india-rubber." <i>Letters Patent sealed.</i>

- BLACKBURN.
21st May 1866. 1432. ALEXANDER BEWICKE BLACKBURN, of 25, Hans Place, in the County of Middlesex, for an invention for—"Improvements in preparing lubricating compounds and in lubricating the journals and bearings of machinery."
Provisional protection only.
- CRICHTON.
21st May 1866. 1433. ALEXANDER CRICHTON, of Cork, Ireland, Engineer, for an invention for—"Improvements in marine steam-engines and in surface condensers."
Letters Patent sealed.
- WOOD.
21st May 1866. 1434. JAMES TEMPLETON WOOD, of the Inner Temple, Barrister-at-law, for an invention for—"Improvements in compressing and packing cotton, wool, jute and other similar bulky articles."
Provisional protection only.
- MESSENT.
21st May 1866. 1435. PHILIP JOHN MESSENT, of Tynemouth, in the County of Northumberland, Engineer, for an invention for—"Improvements in apparatus for mixing concrete and other materials."
Letters Patent sealed.
- McLINTOCK.
JAGGER.
22nd May 1866. 1436. JAMES McLINTOCK, of Barnsley, in the County of York, Manufacturer, and JOHN JAGGER, of the same place, Linen Yarn Dresser, for an invention for—"Improvements in heddles or healds for weaving."
Provisional protection only.
- COLES.
22nd May 1866. 1437. COWPER PHIPPS COLES, of Ventnor, in the Isle of Wight, Captain in the Royal Navy, for an invention for—"Improvements in the construction of vessels of war, forts and other defences."
Letters Patent sealed.
- HOMER.
22nd May 1866. 1438. GEORGE WOOD HOMER, of Athelhampton, near Dorchester, in the County of Dorset, Agriculturist, for an invention for—"Improvements in breaking, pulverizing or scarifying land, and in apparatus employed for such purpose."
Letters Patent sealed.
- HINKS.
HINKS.
22nd May 1866. 1439. JAMES HINKS, and JOSEPH HINKS, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in lamps for burning petroleum oil and other volatile liquid hydro-carbons."
Provisional protection only.
- NEWTON.
22nd May 1866. 1440. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery or apparatus to be employed in dyeing yarns."—*A communication to him from abroad by Albert Weber, of Barmen, in the Kingdom of Prussia.*
Provisional protection only.
- NEWTON.
22nd May 1866. 1441. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in rotary steam-engines."—*A communication to him from abroad by Matthias Wharton Baldwin, of Philadelphia, Pennsylvania, in the United States of America.*
Letters Patent sealed.
- MARÇAIS.
22nd May 1866. 1442. JOSEPH JEAN MARÇAIS, of Paris, in the Empire of France, Engineer, for an invention for—"Certain improvements in the treatment of slags, ores and compounds of tin."
Letters Patent sealed.
- JAMES.
23rd May 1866. 1443. ISAAC JAMES, of Cheltenham, in the County of Gloucester, Agricultural Implement Manufacturer, for an invention for—"An improved clod crusher."
Provisional protection only.
- ROWAN.
23rd May 1866. 1444. WILLIAM ROWAN, of the firm of John Rowan and Sons, of Belfast, in the County of Antrim, Engineers, for an invention for—"Improvements in machinery for preparing and cleaning flax, tow, hemp, cotton, shoddy and other materials employed in textile manufactures and in the manufacture of paper."
Provisional protection only.
- GRIPPER.
23rd May 1866. 1445. EDWARD GRIPPER, of the firm of Edward Gripper and Company, of Winchester Wharf, Southwark, in the County of Surrey, for an invention for—"Improvements in the treatment of grains from brewers, distillers and vinegar makers, rendering them more suitable for the food of cattle, and for brewers' purposes as a substitute for patent malt, and also in treating the wort or liquor extracted from the said grains in order to convert it into a spirit or liquid suitable for manufacturing purposes."
Provisional protection only.
- LEWENBERG.
23rd May 1866. 1446. JOSEPH LEWENBERG, of No. 55, Upper Berkeley Street, Portman Square, in the County of Middlesex, for an invention for—"An improved composition for beautifying the complexion."—*A communication to him from abroad by Clara Lewenberg, of New York City, United States of America.*
Provisional protection only.

BALIN. 23rd May 1866.	1447. PAUL MARIE BALIN, of 27, Rue Laffitte, Paris, in the Empire of France, for an invention for—"Improvements in the manufacture of paper hangings." <i>Provisional protection only.</i>
HASELTINE. 23rd May 1866.	1448. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the moulds or matrices of stereotype plates, and in machinery for forming the same."— <i>A communication to him from abroad by John Edson Sweet, of Syracuse, New York, United States of America.</i> <i>Letters Patent sealed.</i>
HASELTINE. 23rd May 1866.	1449. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in metal hoops for casks, tubs and other like vessels."— <i>A communication to him from abroad by John Louis Alberger, of Buffalo, New York, United States of America, Provision Packer.</i> <i>Complete specification ; Letters Patent sealed.</i>
Longbottom. Eastwood. 23rd May 1866.	1450. JOHN LONGBOTTOM, of Leeds, in the County of York, Engineer, and JAMES EASTWOOD, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"Improvements in the mode or method of applying heat in the drying and calendering of yarns, textile fabrics and other materials, and in the heating and evaporating of liquids, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
DOUGLAS. 23rd May 1866.	1451. SHOLTO DOUGLAS, of Blairgowrie, in the County of Perth, North Britain, for an invention for—"Improvements in motive-power engines, and in the mode of applying water, steam, compressed air and other liquids and gases for driving the same." <i>Letters Patent sealed.</i>
GREENWOOD. 23rd May 1866.	1452. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in machinery for dressing silk." <i>Letters Patent sealed.</i>
SNELL. 24th May 1866.	1453. WILLIAM SNELL, of 16, Clement's Inn, in the City of Westminster, for an invention for—"Improvements in tobacco pipes."— <i>A communication to him from abroad by Louis Goetsch, Manufacturer of Pipes, No. 14, Grande Gallerie, Passage des Panoramas, Paris, France.</i> <i>Provisional protection only.</i>
HEATHFIELD. 24th May 1866.	1454. WALTER HEATHFIELD, of Upper Thames Street, in the City of London, Engineer, for an invention for—"Improvements in the construction of iron girders and joists." <i>Provisional protection only.</i>
CUNNINGHAM. CUNNINGHAM. 24th May 1866.	1455. JOHN CUNNINGHAM, and ROBERT CUNNINGHAM, both of Paisley, in the County of Renfrew, North Britain, Manufacturers, for an invention for—"Improvements in weaving ornamental fabrics." <i>Provisional protection only.</i>
WESTHEAD. 24th May 1866.	1456. ALBERT WESTHEAD, of No. 17, St. Mary Axe, in the City of London, for an invention for—"Improvements in apparatus employed in laying electric telegraph cables." <i>Provisional protection NOT granted.</i>
GREEN. 24th May 1866.	1457. THOMAS GREEN, of Leeds, in the County of York, for an invention for—"Improvements in steam and other boilers." <i>Letters Patent sealed.</i>
COOKE. 25th May 1866.	1458. JOHN COOKE, of Redditch, in the County of Worcester, for an invention for—"Improvements in the rails or permanent way of railways, and in the means of guiding and retaining locomotives and carriages thereon, for obtaining additional safety in travelling." <i>Provisional protection only.</i>
EVANS. 25th May 1866.	1459. JAMES WILLIAM EVANS, of 38, Norfolk Street, Strand, in the County of Middlesex, for an invention for—"Improvements in machinery for the manufacture of coiled springs packed with wool or other fibrous materials." <i>Letters Patent sealed.</i>
EMME. 25th May 1866.	1460. JOHN EMME, of Portland Street, Soho, in the County of Middlesex, Breech-loading Action Maker, for an invention for—"An improved cartridge extractor for breech-loading guns." <i>Letters Patent sealed.</i>

Voss. 25th May 1866.	1461. WILHELM HEINRICH CHRISTIAN VOSS, Engineer, of Hamburg, but now residing at Kroll's Hotel, St. John Street, Minories, in the County of Middlesex, for an invention for—"Improvements in rotary steam and hydraulic engines." <i>Provisional protection only.</i>
GIBSON. ELLIS. 25th May 1866.	1462. WILLIAM GIBSON, and EDWARD ELLIS, both of West Hartlepool, in the County of Durham, for an invention for—"Improvements in machinery or apparatus for the manufacture of metal rods, bars and tubes, together with a new or improved motive-power for communicating motion to the same." <i>Letters Patent sealed.</i>
BLAIN. 25th May 1866.	1463. THOMAS BLAIN, of Killyleigh, in the County of Down, Ireland, Flax Mill Manager, for an invention for—"Improvements in spinning frames." <i>Provisional protection only.</i>
PURDEY. 25th May 1866.	1464. JAMES PURDEY, of Oxford Street, in the County of Middlesex, Gun Manufacturer, for an invention for—"An improvement in breech-loading fire-arms." <i>Letters Patent sealed.</i>
HOFFMAN. 25th May 1866.	1465. JOHN WILLIAM HOFFMAN, of Birmingham, in the County of Warwick, Gentleman, for an invention for—"An improved hanging centre or centre stop for doors, gates, swing sashes, blinds and other similar uses." <i>Provisional protection only.</i>
KING. 25th May 1866.	1466. JOHN THOMSON KING, of 4, Clayton Square, Liverpool, in the County of Lancaster, Patent Agent, for an invention for—"An improved machine for the manufacture of augers, bits, drills and like tools and articles."— <i>A communication to him from abroad by William Watson Grier and Robert H. Boyd, of Hulton, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
BEVAN. FLEMING. 25th May 1866.	1467. EDWARD BEVAN, of Birkenhead, in the County of Chester, Watch Manufacturer, and ABEL FLEMING, of the same place, Gentleman, for an invention for—"Improved means of and apparatus for warming and keeping warm articles of food, particularly infants' food." <i>Letters Patent sealed.</i>
BÜCHNER. 25th May 1866.	1468. ERNST BÜCHNER, of Frankfort-on-the-Maine, Germany, for an invention for—"Improvements in the manufacture of gas." <i>Provisional protection only.</i>
GÖRANSSON. 25th May 1866.	1469. GÖRAN FREDRIK GÖRANSSON, of Gefle, in the Kingdom of Sweden, for an invention for—"Improvements in blast furnaces and in the manufacture of iron therein." <i>Letters Patent sealed.</i>
WEATHERDON. 26th May 1866.	1470. BALDWIN FULFORD WEATHERDON, of 77, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in gas pyrometers, which may also be employed as thermometers."— <i>A communication to him from abroad by Joseph Jean Marie Durand, of the firm of Charles Leroy and Durand, of 25, Route de Fontainebleau, Gentilly (Seine), in the Empire of France, Candle Manufacturers, and Celestin Pichoin, of 100, Route d'Italie, Paris, in the Empire of France, Chemist.</i> <i>Letters Patent sealed.</i>
WHELPLEY. STORER. 26th May 1866.	1471. JAMES DAVENPORT WHELPLEY, and JACOB JONES STORER, both of Boston, in the County of Suffolk, and State of Massachusetts, in the United States of America, for an invention for—"Improvements in the use and application of fuel, and of chemical reagents to eliminate its impurities or those of the substances it is to heat." <i>Letters Patent sealed.</i>
BONNEVILLE. 26th May 1866.	1472. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in ovens for baking bread and other aliments."— <i>A communication from Charles Nicolas Athanase Lesobre, a person residing at Rue de la Vieille Estrapade, Paris, in the Empire of France, aforesaid.</i> <i>Complete specification; Letters Patent sealed.</i>
McFARLAND. 26th May 1866.	1473. COREY McFARLAND, of the Small-arms Factory, Small Heath, Birmingham, and No. 101, Gower Street, in the County of Middlesex, Engineer, for an invention for—"An improved album for exhibiting photographs and other pictures."— <i>A communication to him from abroad by John Spooner, of Springfield, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>

1485. *THE Swan Lane, in the City of London, for*
rakes."—*A communication to him from*
at Worcester, Massachusetts, United
Letters Patent sealed.
1486. *St. Luke's, in the County of Middlesex,*
in the County of Kent, for an invention
in raising and forcing water and other
Letters Patent sealed.
1487. *in the County of Suffolk, Organ Builder, for*
the construction of soundboards and in the
organs, harmoniums and other similar wind
Letters Patent sealed.
1488. *in the County of Stafford, Iron Moulder,*
to the manufacture of rolls for rolling metals."
Letters Patent sealed.
1489. *Charing Cross, in the County of Middlesex,*
for—"Utilizing the explosive force of dis-
diminishing or preventing the recoil."
Letters Patent sealed.
1490. *Ray Street, Clerkenwell, in the County of Middlesex,*
for—"Improvements in machinery or apparatus
for casting metals."
Letters Patent sealed.
1491. *St. John Street, in the Parish of Clerkenwell and*
Shoe Maker, for an invention for—"Improved
berls to boots, shoes and other similar articles."
Provisional protection only.
1492. *Civil Engineer, of No. 6, Cannon Street West, London,*
Improvements in supporting the rails of railways."
Letters Patent sealed.
1493. *of Kingsland, Shrewsbury, in the County of Salop, Iron*
an invention for—"Improvements in the construction of
the manufacture of sheet lead pipes, bars and window lead."
Provisional protection only.
1494. *CLARK, of 53, Chancery Lane, in the County of Middlesex,*
Agent, for an invention for—"Improvements in scoops and
erating."—*A communication to him from abroad by Augustus Theodore*
field, State of New Jersey, United States of America.
Provisional protection only.
1495. *ERSKINE, of Newton Stewart, in the County of Wigton, North*
Maker, for an invention for—"Improvements in apparatus for turning
the ends of cartridges."
Provisional protection only.
1496. *JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of*
Gentleman, for an invention for—"An improved composition for journal
bearings."—*A communication to him from abroad by William Kinnear, of the*
ty of Wyandotte, State of Ohio, in the United States of America, Merchant.
Provisional protection only.
1497. *CHARLES FREDERIC HENWOOD, of 4, East India Avenue, in the City of*
London, for an invention for—"Improvements in ships' rudders and parts connected
therewith."
Provisional protection only.
1498. *GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of*
Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer
and Patent Agent, for an invention for—"Improved apparatus for supplying steam-
engines with water."—*A communication to him from abroad by Emmett Quinn, of*
Washington, Columbia, in the United States of America.
Letters Patent sealed.
1499. *DAVID DUFF, of Litchfield Street, Soho, in the County of Middlesex, Gas*
Engineer, for an invention for—"Improvements in gas regulators applicable to
pipes and meters."
Provisional protection only.

- WOODWARD.
FALLQWS.
29th May 1866.
1489. THOMAS WOODWARD, of 10, Steelhouse Lane, Birmingham, Gun Maker, and GEORGE FALLQWS, of Liehfield Street, Birmingham, Breech-loading Action Filer, for an invention for—"An improved method of extracting cartridges and cartridge-cases from fire-arms."
Letters Patent sealed.
- MAYNARD.
MAYNARD.
29th May 1866.
1490. ROBERT MAYNARD, and ROBERT MAYNARD the younger, Engineers, of Whittlesford, in the County of Cambridge, for an invention for—"Improvements in horse rakes."
Letters Patent sealed.
- HALL.
29th May 1866.
1491. JOSEPH HALL, of No. 12, Clarke Street, Stepney, Middlesex, Clerk, for an invention for—"A new or improved kind of perforated elastic-faced cellular target."
Letters Patent sealed.
- WHELPLEY.
STORER.
29th May 1866.
1492. JAMES DAVENPORT WHELPLEY, and JACOB JONES STORER, both of Boston, in the County of Suffolk, and State of Massachusetts, in the United States of America, for an invention for—"An apparatus and process for removing dust and gases from air, which they call a draft and spray wheel."
Complete specification ; Letters Patent sealed.
- WHELPLEY.
STORER.
29th May 1866.
1493. JAMES DAVENPORT WHELPLEY, and JACOB JONES STORER, of Boston, in the County of Suffolk, and State of Massachusetts, in the United States of America, for an invention for—"An improved process and apparatus for obtaining metals and saleable products from ores and minerals, adapted particularly to the reduction of sulphurets."
Letters Patent sealed.
- HASELTINE.
29th May 1866.
1494. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the mode of and means for regulating and registering the tension of pianoforte strings."—*A communication to him from abroad by Levi Lincoln Tower, of Boston, Massachusetts, United States of America.*
Provisional protection only.
- HASELTINE.
29th May 1866.
1495. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved composition for removing incrustations and preventing the formation of the same in steam-boilers."—*A communication to him from abroad by Jacob James Lavo and Peter Menard Chouteau, both of St. Louis, Missouri, United States of America.*
Provisional protection only.
- DELCAMBRE.
29th May 1866.
1496. ISIDORE DELCAMBRE, of Brussels, in the Kingdom of Belgium, for an invention for—"Improvements in machinery for setting or composing and distributing printing types."
Letters Patent sealed.
- BOYMAN.
29th May 1866.
1497. RICHARD BOYMAN BOYMAN, of 2, Park Crescent, Stockwell, in the County of Surrey, Esquire, for an invention for—"Improvements in propelling vessels by the reaction of water, and in the machinery for the purpose."
Letters Patent sealed.
- HEWITT.
29th May 1866.
1498. FRANCIS HEWITT, of Liverpool, in the county of Lancaster, Practical Marine Engineer, for an invention for—"Improvements in rudders and stern posts, and in connecting the same so as to allow of the ready shipping and unshipping of the rudder from the deck."
Letters Patent sealed.
- HAIGH.
29th May 1866.
1499. THOMAS HAIGH, of Liverpool, in the County of Lancaster, Common Brewer, for an invention for—"Improvements in coolers for the use of brewers and others."
Provisional protection only.
- NURSE.
29th May 1866.
1500. CEDRIC NURSE, of Crawford Street, Bryanston Square, in the County of Middlesex, for an invention for—"A new or improved fastening applicable as a substitute for buckles."
Provisional protection only.
- PAPE.
29th May 1866.
1501. WILLIAM ROCHESTER PAPE, of Newcastle-on-Tyne, in the County of Northumberland, for an invention for—"Improvements in the manufacture and construction of breech-loading and other rifles and guns."
Letters Patent sealed.
- WADSWORTH.
29th May 1866.
1502. JAMES WADSWORTH, of Heaton Norris, in the County of Lancaster, for an invention for—"Improved methods of rendering the soles or bottoms and heels of boots and shoes more durable."
Provisional protection only.

NEWTON. 29th May 1866.	1503. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of connecting metallic wires."— <i>A communication to him from abroad by Nathan Bloch, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
BOWDOIN. 29th May 1866.	1504. CHRISTINE TEMPLE BOWDOIN, of Florence, in the Kingdom of Italy, but at present residing at Bryanston Square, in the County of Middlesex, for an invention for—"Improvements in telegraphic printing apparatus."— <i>A communication to her from abroad by Gaetano Bonelli, of Florence, in the Kingdom of Italy.</i> <i>Provisional protection only.</i>
BAYLISS. 29th May 1866.	1505. WILLIAM BAYLISS the younger, of the firm of Bayliss, Jones and Bayliss, of Wolverhampton, and Gracechurch Street, London, Iron Hurdle and Fencing Manufacturers, for an invention for—"Improvements in the construction of continuous wrought-iron fencing, hurdles and gates." <i>Letters Patent sealed.</i>
SCHOFIELD. 30th May 1866.	1506. HUGH SCHOFIELD, Weft Fork Manufacturer, of Colne, in the County of Lancaster, for an invention for—"Improvements in weft forks and in tools employed in the manufacture thereof." <i>Letters Patent sealed.</i>
BOUSFIELD. 30th May 1866.	1507. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machinery for cutting files."— <i>A communication to him from abroad by Aaron Chambers, a person resident at North Providence, in the County of Providence, and State of Rhode Island, in the United States of America.</i> <i>Letters Patent sealed.</i>
PONTIFEX. 30th May 1866.	1508. EDMUND ALFRED PONTIFEX, of Shoe Lane, in the City of London, Engineer ¹ for an invention for—"Improvements in refrigerators." <i>Provisional protection only.</i>
EVELYN. 30th May 1866.	1509. GEORGE PALMER EVELYN, of the Army and Navy Club, Pall Mall, in the County of Middlesex, Lieutenant-Colonel in the Army, for an invention for—"A new and improved apparatus for propelling boats and vessels." <i>Letters Patent sealed.</i>
HAMMERSLEY. 30th May 1866.	1510. WILLIAM RALPH HAMMERSLEY, of Wigmore Street, in the County of Middlesex, Optician, for an invention for—"Improvements in fluid compasses." <i>Provisional protection only.</i>
CAITHNESS. 30th May 1866.	1511. The Right Honorable JAMES, EARL OF CAITHNESS, of Hill Street, in the County of Middlesex, for an invention for—"A new or improved method of cleaning boiler tubes." <i>Provisional protection only.</i>
PUNSHON. 31st May 1866.	1512. JOHN PUNSHON, of Wigan Colliery, in the County of Lancashire, Engineer, for an invention for—"An improved signal bell for registering on a dial plate all signals given by hammer blows or knocks from the pit bottom to the engine, man or winder at the pit top, or from any other place to another where signals are or may be adapted for transmission by blows." <i>Provisional protection NOT granted.</i>
CLARK. 31st May 1866.	1513. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for recording the distance travelled by vehicles and the time occupied therein."— <i>A communication to him from abroad by Leocadio Ramon-y-Garcia, retired Cavalry Captain in the service of Her most Catholic Majesty, Isabella of Spain, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
HIRE. WHITE. 31st May 1866.	1514. HENRY WILLIAM HIRE, Captain in Her Majesty's Navy, and JOHN WHITE, of West Cowes, Isle of Wight, Shipbuilder, for an invention for—"Improvements in the construction of parts of ships and other vessels, and in the mode or method of using or employing such parts as a means of saving life at sea, and for other purposes." <i>Letters Patent sealed.</i>
BELLHOUSE. DORNING. 31st May 1866.	1515. EDWARD TAYLOR BELLHOUSE, and WILLIAM JOHN DORNING, both of Manchester, in the County of Lancaster, Engineers, for an invention for—"Certain improvements in the manufacture of 'keys,' 'spanners,' 'wrenches,' 'cotters,' 'nuts' and other articles, and in the apparatus employed therefor." <i>Letters Patent sealed.</i>
BELLHOUSE. DORNING. 31st May 1866.	1516. EDWARD TAYLOR BELLHOUSE, and WILLIAM JOHN DORNING, both of Manchester, in the County of Lancaster, Engineers, for an invention for—"Certain improvements in hydraulic pumps and in valves connected therewith, and also in the method of driving or actuating such pumps." <i>Letters Patent sealed.</i>

- CUNNINGHAM.
31st May 1866.
1517. ALBERT ROBERT CUNNINGHAM, of Cambridge Place, Kensington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in shaving brushes." *Provisional protection only.*
- BOUSFIELD.
31st May 1866.
1518. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in tanning hides and skins, and in currying leather."—*A communication to him from abroad by Moses Webster Page, a person resident at Franklin, in the County of Merrimac, and State of New Hampshire, United States of America. Complete specification; Letters Patent sealed.*
- EAST.
31st May 1866.
1519. JOSIAH EAST, of Commercial Road, in the County of Middlesex, Timber Dealer, for an invention for—"Improvements in sawing machinery." *Provisional protection only.*
- SMITH.
31st May 1866.
1520. THOMAS JONES SMITH, of Whitechapel, in the County of Middlesex, Engineer, for an invention for—"An improved apparatus to be employed in drawing liquids from casks and other vessels." *Letters Patent sealed.*
- JOHNSON.
31st May 1866.
1521. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the transmission of electric telegraphic despatches, and in the apparatus employed therein."—*A communication to him from abroad by Jean Joseph Etienne Lenoir, Engineer, of Paris, in the Empire of France. Letters Patent sealed.*
- JOHNSON.
31st May 1866.
1522. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the deodorizing of crude rock or mineral oil, and in the preparation of lubricating oil therefrom."—*A communication to him from abroad by James Mott, Farmer, and George Cowles, Merchant, both of Lindsay, in the Province of Canada West. Letters Patent sealed.*
- LINNETT.
31st May 1866.
1523. JOHN LINNETT, of Birmingham, in the County of Warwick, Printer, for an invention for—"Improvements in the manufacture of paper and cardboard boxes and the lids of the said boxes." *Provisional protection only.*
- MATHER.
31st May 1866.
1524. GEORGE RADFORD MATHER, of Wellingborough, in the County of Northampton, Engineer, for an invention for—"Improvements in means or apparatus for holding or setting work to be cut, planed, turned, drilled or otherwise operated upon." *Letters Patent sealed.*
- NEWTON.
31st May 1866.
1525. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of water cocks or hydrants."—*A communication to him from abroad by Jean Baptiste Denans, of the Boulevard Beaumarchais, Paris, in the Empire of France. Letters Patent sealed.*
- NEWTON.
31st May 1866.
1526. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in railways and in propelling carriages and vessels by means of ropes or chains."—*A communication to him from abroad by Charles Thompson Harvey, of Tarrytown, in the State of New York, United States of America. Letters Patent sealed.*
- BOUSFIELD.
31st May 1866.
1527. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in preparing fibrous materials for spinning and weaving."—*A communication to him from abroad by Stanislas Vigoureux, a person resident at Rue des Poissonniers, St. Denis (Seine), in the Empire of France. Letters Patent sealed.*
- CLYNE.
1st June 1866.
1528. JOHN CLYNE, of No. 9, Miles Lane, Upper Thames Street, in the City of London, for an invention for—"A new or improved portable mangle."—*A communication to him from abroad by Henry William Putnam, of Bennington, Vermont, United States of America. Letters Patent sealed; no specification filed.*
- BRÄUTIGAM.
1st June 1866.
1529. CHARLES BRÄUTIGAM, of the City of Saint Petersburg, in the Empire of Russia, Coach Builder, for an invention for—"Improvements in wheeled carriages." *Letters Patent sealed.*
- YULE.
1st June 1866.
1530. JOHN YULE, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in steam-engines." *Letters Patent sealed.*

CAIRE. 1st June 1866.	1531. MARIUS ADRIEN CAIRE, of Paris, Rue Poissonniere, No. 56, Merchant, for an invention for—"Certain improvements in or connected with triggers for small arms."— <i>A communication from William Rudolf, resident at San Francisco, California.</i> <i>Provisional protection only.</i>
NEWTON. 1st June 1866.	1532. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in machinery for burring and cleansing wool and other fibrous substances."— <i>A communication to him from abroad by Calvin Luther Goddard, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
CRAWFORD. CRAWFORD. 1st June 1866.	1533. HUGH CRAWFORD, and JAMES CRAWFORD, both of Barr Mill, Beith, in the County of Ayr, North Britain, Manufacturers, for an invention for—"Improvements in finishing thread and in the machinery and apparatus employed therefor." <i>Letters Patent sealed.</i>
BURROWS. BURROWS. 1st June 1866.	1534. WILLIAM BURROWS, Draughtsman, and JOSHUA BURROWS, Gentleman, both of Leeds, in the County of York, for an invention for—"Improvements in locomotive engines for common roads." <i>Provisional protection only.</i>
TURTON. 2nd June 1866.	1535. SAMUEL TURTON, of Heaton Norris, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in apparatus applicable to steam-boilers or generators." <i>Letters Patent sealed.</i>
JULIUS. 2nd June 1866.	1536. CHARLES THEODORE JULIUS, of Philadelphia, in the State of Pennsylvania, one of the United States of America, Mariner, at present residing at Liverpool, in the County of Lancaster, for an invention for—"An improvement in the construction of anchors." <i>Letters Patent sealed.</i>
PARAF. 2nd June 1866.	1537. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in dyeing, printing and other operations based on chemical reactions."— <i>A communication to him from abroad by Mathias Paraf-Javal, of Thann, France.</i> <i>Provisional protection only.</i>
NEVILLE. GORTON. 2nd June 1866.	1538. THOMAS NEVILLE, of the City and County of the City of Lichfield, and of Morrey, in the County of Stafford, Surveyor and Civil Engineer, and WILLIAM GORTON, of Malden, in the County of Surrey, Gentleman, for an invention for—"A new or improved means of propelling vessels." <i>Provisional protection only.</i>
BROWN. 2nd June 1866.	1539. ANDREW BETTS BROWN, of No. 13, Cannon Street, in the City of London, for an invention for—"Improvements in engines for pumping water, applicable to engines for feeding steam-boilers." <i>Letters Patent sealed.</i>
KNIGHT. 2nd June 1866.	1540. JOSEPH KNIGHT, of Pencardair, in the County of Carmarthen, for an invention for—"Improvements in self-acting railway signals." <i>Letters Patent sealed.</i>
VAUGHAN. 2nd June 1866.	1541. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of reflectors."— <i>A communication to him from abroad by William Marot Marshall, of the City of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
BOIS. 2nd June 1866.	1542. ALPHONSE ALEXIS BOIS, of La Besace, near Sedan, a City of the French Empire, Mechanician, for an invention for—"Improvements in machinery for drawing and twisting cotton, wool, flax, hemp, silk and other fibrous substances." <i>Provisional protection only.</i>
LECOQ. 2nd June 1866.	1543. JULES LECOQ, of the City of Le Mans, in the French Empire, Manufacturer, for an invention for—"Improved machinery for combing hemp, flax and other fibrous materials." <i>Letters Patent sealed.</i>
HENDERSON. 4th June 1866.	1544. CONSTANTINE HENDERSON, of 43, Parliament Street, Westminster, Architect, for an invention for—"Improvements in girders manufactured in iron, steel or otherwise, combined with timber." <i>Letters Patent sealed.</i>
FENBY. 4th June 1866.	1545. JOSEPH BEVERLEY FENBY, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in locks and latches." <i>Letters Patent sealed.</i>

ROGERS.
4th June 1866.

1546. MAURICE COHEN ROGERS, of 18, New Burlington Street, in the County of Middlesex, Member of the Royal College of Surgeons, Surgeon Dentist, for an invention for—"Improvements in the method of and apparatus for fitting artificial teeth and retaining them in position."—*A communication to him from abroad by Moss Jones, of Brussels, in the Kingdom of Belgium.* Letters Patent sealed.

SAINTY.
4th June 1866.

1547. JOHN SAINTY, of Burnham Market, in the County of Norfolk, Agricultural Implement Maker, for an invention for—"Improvements in the construction of horse shoes." Provisional protection only.

MONCRIEFF.
4th June 1866.

1548. ALEXANDER MONCRIEFF, of the United Service Club, Edinborough, Captain of Militia, for an invention for—"Improvements in the mounting and working of ordnance." Letters Patent sealed.

McFARLAND.
4th June 1866.

1549. COREY McFARLAND, of the "Small Arms Factory," Small Heath, Birmingham, and No. 101, Gower Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for cutting corks and bungs."—*A communication to him from abroad by Charles Harris, of Springfield, Massachusetts, United States of America.* Letters Patent sealed.

BRAND.
5th June 1866.

1550. NATHAN BRAND, of Ilion, in the County of Herkimer, and State of New York, in the United States of America, for an invention for—"Improvements in the mode of and machinery for making hoes, trowels and other similar instruments." Complete specification; Letters Patent sealed.

FARMAR.
5th June 1866.

1551. EDWIN FARMAR, of Tenbury, in the County of Worcester, Farmer and Manufacturer, for an invention for—"Improvements in apparatus to be used in training or growing hops." Letters Patent sealed.

DUMUIS.
FLICOTEAUX.
NIBLETT.
LAVATER.
5th June 1866.

1552. DESIRÉ ALFRED DUMUIS, Sanitary Engineer, ELMIR JEAN FRANÇOIS FLICOTEAUX, Sanitary Engineer, EDWARD WILLIAM NIBLETT, Mechanical Engineer, and MANUEL LEOPOLD JONAS LAVATER, Manufacturer, all of 29, Boulevard St. Martin, Paris, for an invention for—"Improvements in water-closets, urinals, lavatories and other receivers, and also in taps for supplying liquids to the same." Letters Patent sealed.

TANKARD.
COCKCROFT.
5th June 1866.

1553. JAMES MARSLAND TANKARD, of the firm of J. and J. Tankard, of Bradford, in the County of York, Worsted Spinners, and JOHN COCKCROFT, of the same place, Factory Manager, for an invention for—"Improvements in or applicable to machinery or apparatus for spinning worsted or other fibrous substances, known as cap frames." Letters Patent sealed.

JOHNSON.
5th June 1866.

1554. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for making envelopes and paper bags."—*A communication to him from abroad by Robert Parks and John Armstrong, both of Philadelphia, in the State of Pennsylvania, United States of America.* Letters Patent sealed.

McEVoy.
5th June 1866.

1555. CHARLES AMBROSE McEVoy, of 28, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in shells and in fuses used with shells." Letters Patent sealed.

NEWTON.
5th June 1866.

1556. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for gumming and printing envelopes and wrappers for letters, newspapers and small parcels."—*A communication to him from abroad by Henry Clay Berlin and George Henry Jones, of the City of New York, in the United States of America.* Letters Patent sealed.

WEDLAKE.
5th June 1866.

1557. THOMAS WILLIAM WEDLAKE, of Hornchurch, in the County of Essex, Agricultural Implement Maker, for an invention for—"Improvements in the construction of irrigators." Provisional protection only.

HOPWOOD.
6th June 1866.

1558. JAMES HOPWOOD, of Cheadle, in the County of Chester, Pattern Maker, for an invention for—"Certain improvements in looms for weaving." Letters Patent sealed.

LAWRENCE.
6th June 1866.

1559. WILLIAM LAWRENCE, of 18, Cornwall Road, Paddington, in the County of Middlesex, Brewer's Engineer, for an invention for—"Improvements in the manufacture of malt and in apparatus for drying malt and hops." Letters Patent sealed.

LAWRENCE. 6th June 1866.	1560. WILLIAM LAWRENCE, of 18, Cornwall Road, Paddington, in the County of Middlesex, Brewer's Engineer, for an invention for—"Improvements in the manufacture of and apparatus for the treatment of worts." <i>Letters Patent sealed.</i>
MORRIS. 6th June 1866.	1561. LEOPOLD MORRIS, of Aldermanbury, in the City of London, for an invention for—"Improvements in muffs." <i>Provisional protection only.</i>
LOADER. 6th June 1866.	1562. JOHN LOADER, of Finsbury Market, in the County of Middlesex, Wood Turner, for an invention for—"Improvements in apparatus for raising and lowering weights." <i>Letters Patent sealed.</i>
RIGHETTI. 6th June 1866.	1563. PETER RIGHETTI, of 12, St. Caterina Dé Funari, Rome, for an invention for—"Improvements in kilns or apparatus for generating heat." <i>Letters Patent sealed.</i>
PARKES. 6th June 1866.	1564. ALEXANDER PARKES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of compounds in the nature of kamptulicon." <i>Letters Patent sealed.</i>
YOUNG. YOUNG. 6th June 1866.	1565. ARTHUR YOUNG, and WILLIAM YOUNG, both of 119, Gower Street, in the County of Middlesex, for an invention for—"Improvements in the construction of streets, roads and footways." <i>Provisional protection only.</i>
BATEMAN. 6th June 1866.	1566. HYDE BATEMAN, of Barnes, in the County of Surrey, Surveyor, for an invention for—"Improvements in pumps and fire-engines." <i>Provisional protection only.</i>
GREAVES. 6th June 1866.	1567. HUGH GREAVES, of Abingdon Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of parts of railways." <i>Letters Patent sealed.</i>
SELLARS. 7th June 1866.	1568. JOHN CARRINGTON SELLARS, of Birkenhead, in the County of Chester, Manufacturing Chemist, for an invention for—"Improvements in treating coal, cannel, shale or their compounds, or the residuum thereof from calcination or distillation, and in manufacturing plastic substances, and forms, cements, pigments, colouring matter and manure therewith." <i>Provisional protection not granted.</i>
TONGUE. 7th June 1866.	1569. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in electro-magnetic striking attachments for paper ruling machines."— <i>A communication to him from abroad by Maltby Kingston Pelletreau and Ellicott David Everell, both of the City, County and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
GRIVEL. 7th June 1866.	1570. ANTOINE GRIVEL the younger, of No. 63, Rue de Grenelle, Saint Germain, in the City of Paris, Civil Engineer, for an invention for—"Improvements in the construction of safes, strong rooms and other similar depositories, and in the locks thereof." <i>Letters Patent sealed.</i>
WENHAM. 7th June 1866.	1571. FRANCIS HERBERT WENHAM, of Union Road, Clapham, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for aerial navigation." <i>Provisional protection only.</i>
FRIEDMANN. 7th June 1866.	1572. JOSEPH JULIUS FRIEDMANN, of Nuremberg, in the Kingdom of Bavaria, but now residing at Sise Lane, in the City of London, Merchant, for an invention for—"An improved preparation of materials applicable for the manufacture of hats, caps, bonnets, coats, cloaks, gaiters and other articles of clothing, pouches, portfolios, and other articles of capacity for enclosing various useful articles."— <i>A communication to him from abroad by Maximilian Friedmann, of Philadelphia, in the United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 7th June 1866.	1573. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in jars for preserving fruits, meats and other substances."— <i>A communication to him from abroad by John Jay Squire, of New London, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 7th June 1866.	1574. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in drilling machines."— <i>A communication to him from abroad by Warren Lyon, David Van Gelder Isaacs, Alexander McAndrew and Samuel Wann, all of the City and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>

ABEL.
8th June 1866.

1575. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in travelling bags, valises and trunks."—*A communication to him from abroad by Zoheth Sherman Durfee, of Philadelphia, in the State of Pennsylvania, United States of America.*
Letters Patent sealed.

FRASER.
8th June 1866.

1576. WILLIAM JOHN FRASER, of 10, Commercial Road East, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam-boilers, which improvements are also applicable to hot water and other boilers."

Provisional protection only.

ARMSTRONG.
8th June 1866.

1577. JOSEPH ARMSTRONG, of Rotherham, in the County of York, Iron Founder, for an invention for—"Improvements in the manufacture of crossings for the permanent way of railways."

Provisional protection only.

NEWTON.
8th June 1866.

1578. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved composition for journal boxes or bearings."—*A communication to him from abroad by George Myers and George Harper, both of Upper Sandusky, in the State of Ohio, United States of America.*
Letters Patent sealed.

LEE.
8th June 1866.

1579. DAVID THORPE LEE, of Birmingham, in the County of Warwick, Artist, for an invention for—"Improvements in lay figures, dolls and manikins."

Provisional protection only.

CRANSTON.
8th June 1866.

1580. JAMES CRANSTON, of Birmingham, in the County of Warwick, Architect, for an invention for—"Improvements in horticultural glass houses."

Provisional protection only.

MURRAY.
8th June 1866.

1581. CHARLES HENRY MURRAY, of Loman Street, in the Borough of Southwark, Machinist, for an invention for—"Improvements in machinery for making bricks."

Letters Patent sealed.

GRISWOLD.
8th June 1866.

1582. HENRY JOSIAH GRISWOLD, of Boston, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cards, tablets and other articles from which marks made with ink or lead pencil may be repeatedly erased by moisture, without injury to the surface."

Letters Patent sealed.

MOSS.
9th June 1866.

1583. JOHN MOSS, of Astley, in the County of Lancaster, Manager, for an invention for—"Certain improvements in carding-engines."

Letters Patent sealed.

INGRAM.
PHILLIPS.
9th June 1866.

1584. JENKIN JONES INGRAM, and GEORGE RICHARD PHILLIPS, both of the Stuckton Iron Works, Fordingbridge, in the County of Hants, Engineers, for an invention for—"Improvements in valves for regulating feed, suction and other purposes."

Provisional protection only.

ERSKINE.
9th June 1866.

1585. JAMES ERSKINE, of Newton Stewart, in the County of Wigton, North Britain, Gun Maker, for an invention for—"Improvements in breech-loading guns."

Provisional protection only.

DUPRENÉ.
11th June 1866.

1586. HECTOR AUGUSTE DUFRENÉ, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"Improved apparatus for decorticating rice and other grain."—*A communication from Joseph Perre, of Avignon, in the Empire of France.*
Letters Patent sealed.

BAXTER.
HUNT.
11th June 1866.

1587. JOHN BAXTER, and JOHN HUNT, both of the City of Manchester, Commercial Clerks, for an invention for—"Improvements in safes or receptacles for valuable property."

Provisional protection only.

COCHRANE.
11th June 1866.

1588. DAVID COCHRANE, of Dunmurry, in the County of Antrim, in Ireland, Spinning Master, for an invention for—"Improvements in spinning frames."

Letters Patent sealed; specification filed by order.

THORNTON.
11th June 1866.

1589. ALBERT THORNTON, of Cleckheaton, in the County of York, Machine Maker, for an invention for—"Improvements in means or apparatus for heating the feed water of steam-boilers, and for maintaining free circulation between the upper and lower parts of the water in boilers."

Letters Patent sealed.

LEROUGE.
11th June 1866.

1590. PIERRE LEROUGE, of 68, Queen Street, Cheapside, in the City of London, Gentleman, for an invention for—"A new mode of advertising."

Provisional protection NOT granted

SEWARD. 11th June 1866.	1591. JAMES SEWARD, of Enfield, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for preventing 'priming,' and for the discharge of condensed steam from steam pipes, and for regulating the pressure of steam in steam pipes." <i>Provisional protection only.</i>
PARKES. 11th June 1866.	1592. ALEXANDER PARKES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of brushes." <i>Letters Patent sealed.</i>
LEES. 12th June 1866.	1593. SAMUEL LEES, of Salford, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in furnaces for consuming petroleum and other hydro-carbons." <i>Letters Patent sealed.</i>
LEIGH. 12th June 1866.	1594. THOMAS JOSEPH LEIGH, of No. 7, Lansdowne Cottages, Denmark Street, Camberwell, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in the method of burning coals (whether large or small coals), coal dust, coke, coke dust, charcoal, wood and other combustible substances, as also hydro-carbons and gases, and in the arrangement of the furnaces applicable thereto." <i>Letters Patent sealed.</i>
ALLIX. 12th June 1866.	1595. GEORGE ALLIX, of Saint Heliers, Jersey, Shipwright, for an invention for—"Improvements in apparatus for reefing and furling fore and aft sails, in fittings for the same, and improved fittings for the gaff." <i>Letters Patent sealed.</i>
LIMET. 12th June 1866.	1596. PIERRE HIPPOLYTE LIMET, of Paris, France, Gentleman, for an invention for—"An improved means and apparatus for providing furrows in the surface of metals, applicable especially for cutting files and other purposes." <i>Letters Patent sealed.</i>
KURZ. 12th June 1866.	1597. FREDERICK WILLIAM KURZ, of Charlotte Street, Fitzroy Square, in the County of Middlesex, Goldsmith, for an invention for—"Improvements in the construction of locks." <i>Provisional protection only.</i>
KURZ. 12th June 1866.	1598. FREDERICK WILLIAM KURZ, of Charlotte Street, Fitzroy Square, in the County of Middlesex, Goldsmith, for an invention for—"Improvements in the construction of safes or strong rooms." <i>Provisional protection only.</i>
WRIGHT. 12th June 1866.	1599. ROBERT ALFRED WRIGHT, of Shepherd's Lane, Homerton, in the County of Middlesex, Engineer, for an invention for—"Improvements in furnaces, furnace doors and furnace bars." <i>Letters Patent sealed.</i>
NICHOLAS. 12th June 1866.	1600. JAMES NICHOLAS, of Aspull, near Wigan, in the County of Lancaster, Oil Refiner, for an invention for—"Improvements in retorts and in the mode of working the same, to obtain crude paraffin and other oils from cannel coal, bituminous matter, wood, peat, bones or other material." <i>Provisional protection only.</i>
KITTOE. 13th June 1866.	1601. GEORGE DOMINICUS KITTOE, of the firm of Kittoe and Jackson, of Compton Street, Clerkenwell, in the County of Middlesex, Mechanical Engineer, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
HOLLOWAY. 13th June 1866.	1602. JOHN HOLLOWAY, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in buckles or fastenings for braces, belts and bands." <i>Letters Patent sealed.</i>
BAYLISS. 13th June 1866.	1603. SAMUEL BAYLISS, of Birmingham, in the County of Warwick Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
CAMBRIDGE. 13th June 1866.	1604. FREDERICK CAMBRIDGE, of South Runcton, in the County of Norfolk, Farmer, for an invention for—"Improvements in waggons or carts for carrying hay and other agricultural produce, in order to facilitate the stacking of such produce." <i>Provisional protection only.</i>
LANCASTER. 13th June 1866.	1605. ROBERT LANCASTER, of Nelson, in the County of Lancaster, Ironmonger and Tin Plate Worker, for an invention for—"A new and improved lock or fastener for securing the lids of milk cans, boxes, trunks or other similar receptacles." <i>Provisional protection only.</i>
WALDENSTRÖM. WRIGLEY. 13th June 1866.	1606. ERIC HUGO WALDENSTRÖM, and THOMAS WRIGLEY, both of Manchester, in the County of Lancaster, Mechanical Engineers, for an invention for—"Certain improvements in carding-engines." <i>Provisional protection only.</i>

FORREST. 13th June 1866.	1607. JAMES ALEXANDER FORREST, of Liverpool, in the County of Lancaster, Stained Glass Manufacturer, for an invention for—"Improvements in the construction of lanterns." <i>Letters Patent sealed.</i>
LUNT. 13th June 1866.	1608. JOHN LUNT, of Liverpool, in the County of Lancaster, Corn Factor, for an invention for—"Improvements in the mode of and apparatus for heating bakers' ovens." <i>Provisional protection only.</i>
KILBY. DIXON. 13th June 1866.	1609. SAMUEL KILBY, Machinist, and GEORGE DIXON, Grazier, both of Welby, in the County of Leicester, for an invention for—"Improvements in thrashing machines." <i>Letters Patent sealed; no specification filed.</i>
HALL. COOKE. 13th June 1866.	1610. WILLIAM HATHERTON HALL, and JOSEPH COOKE, both of Birmingham, in the County of Warwick, Miners' Lamp Manufacturers, for an invention for—"Improvements in miners' safety lamps." <i>Letters Patent sealed.</i>
PRICE. 13th June 1866.	1611. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in the apparatus for and in the method of effecting the combustion of fuel."— <i>A communication to him from abroad by Jakob Bühner and Carl Hamel, both of Munich, in the Kingdom of Bavaria.</i> <i>Provisional protection only.</i>
COLE. 13th June 1866.	1612. JOHN CYRUS COLE, of Smethwick, in the County of Stafford, Engineer, for an invention for—"Improvements in coffins." <i>Letters Patent sealed.</i>
HARRISON. HARRISON. 14th June 1866.	1613. JOSEPH JOHN HARRISON, and EDWARD HARRISON, both of Broughton, in the County of Lancaster, for an invention for—"Certain improvements in looms for weaving." <i>Letters Patent sealed.</i>
MORRIS. 14th June 1866.	1614. ELLIS MORRIS, of Shevington Moor, near Wigan, in the County of Lancaster, for an invention for—"Improvements in apparatus to be employed in churning." <i>Provisional protection only.</i>
MALAM. 14th June 1866.	1615. GEORGE DUNBAR MALAM, of Halifax, in the County of York, Gas Engineer to the Halifax Corporation, for an invention for—"The purifying of ammoniacal liquor by an improved process, and the application of such purified ammoniacal liquor to the purifying of coal gas." <i>Provisional protection only.</i>
CARTER. 14th June 1866.	1616. JAMES CARTER, of Dunfermline, in the County of Fife, North Britain, for an invention for—"Improvements in opening, closing and securing windows, doors and shutters, and in the machinery or apparatus employed therefor." <i>Letters Patent sealed.</i>
STENSON. 14th June 1866.	1617. JOSEPH STENSON, of Dunstan, in the County of Northampton, Gentleman, for an invention for—"Improvements in the manufacture and remelting of iron or steel." <i>Provisional protection NOT granted.</i>
BELLHOUSE. 14th June 1866.	1618. WILLIAM BELLHOUSE, of Rochdale, in the County of Lancaster, Mechanician, for an invention for—"Improvements in hoists." <i>Letters Patent sealed.</i>
PAYNE. 14th June 1866.	1619. JOHN BELLAMY PAYNE, of Chard, in the County of Somerset, Engineer, for an invention for—"Improvements in machinery for the manufacture of fishing and other nets." <i>Letters Patent sealed.</i>
HODGES. 14th June 1866.	1620. RICHARD EDWARD HODGES, of Southampton Row, in the County of Middlesex, for an invention for—"Improvements in rulers." <i>Letters Patent sealed.</i>
WHITAKER. 14th June 1866.	1621. JOHN WHITAKER, of Leicester, Agricultural Engineer, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
NEWTON. 14th June 1866.	1622. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of breech-loading fire-arms, so as to admit of altering guns from muzzle to breech loaders."— <i>A communication to him from abroad by Philo Remington, Samuel Remington and Eliphalet Remington, of Ilion, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
KNAGGS. 14th June 1866.	1623. WALTER KNAGGS, of No. 5, Euston Grove, Euston Square, in the County of Middlesex, for an invention for—"Improvements in the manufacture of sugar and in the apparatus employed therein." <i>Letters Patent sealed.</i>

LINNINGTON. 14th June 1866.	1624. ADOLPHUS HENRY LINNINGTON, of No. 58, Fenchurch Street, in the City of London, for an invention for—"Improvements in anchors."— <i>A communication to him from abroad by Peter Dinzey, a person resident at St. Bartholomew, West Indies.</i> <i>Provisional protection only.</i>
GALLET. 14th June 1866.	1625. VICTOR GALLET, of Lavausseau de Benassais, Department of the Vienne, in the Empire of France, for an invention for—"Improvements in the manufacture of cast steel." <i>Provisional protection only.</i>
DE MILLY. 15th June 1866.	1626. LOUIS ADOLPHE DE MILLY, of 19, Rue de Calais, Paris, Manufacturer, for an invention for—"A new process in the treatment of concrete fatty acids for the manufacture of candles called 'stearine candles.'" <i>Letters Patent sealed.</i>
HAMMERSLEY. 15th June 1866.	1627. WILLIAM RALPH HAMMERSLEY, of Wigmore Street, in the County of Middlesex, Optician, for an invention for—"Improvements in fluid compasses." <i>Letters Patent sealed.</i>
STEVENS. 15th June 1866.	1628. BENJAMIN FRANKLIN STEVENS, of 17, Henrietta Street, Covent Garden, in the County of Middlesex, Gentleman, for an invention for—"A new or improved method of treating permanent inflammable gases, whereby greater heat is obtained therefrom."— <i>A communication to him from abroad by Simon Stevens, of the City, County and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
MARSHALL. 15th June 1866.	1629. JAMES GARTH MARSHALL, of Leeds, in the County of York, Flax Spinner, for an invention for—"Improvements in the mode of and apparatus for treating fibrous materials preparatory to their being spun." <i>Letters Patent sealed.</i>
ROBERTSON. ORCHAR. 16th June 1866.	1630. WILLIAM ROBERTSON, and JAMES GUTHRIE ORCHAR, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
LEES. SLATER. 16th June 1866.	1631. ASA LEES, of Oldham, in the County of Lancaster, Machine Maker, and JAMES BRIERLEY SLATER, of the same place, Foreman, for an invention for—"Improvements in machinery for making moulds for casting iron and other metal." <i>Letters Patent sealed.</i>
WILSON. 16th June 1866.	1632. GEORGE RATFORD WILSON, of Camden Town, in the County of Middlesex, for an invention for—"An improved vermin trap." <i>Letters Patent sealed.</i>
BROWN. 16th June 1866.	1633. WILLIAM BARRINGTON BROWN, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved anti-acid oil." <i>Letters Patent sealed.</i>
WARD. 16th June 1866.	1634. WILLIAM MAUNDER WARD, in the employment of William Hounsell and Company, of Bridport, in the County of Dorset, Manufacturers, for an invention for—"Improvements in machinery for the manufacture of fishing and other nets." <i>Provisional protection only.</i>
MACDONALD. 16th June 1866.	1635. ARCHIBALD MACDONALD, of Elmore Road, Islington, in the County of Middlesex, Accountant, for an invention for—"Improvements in locks." <i>Provisional protection only.</i>
MUNTZ. 16th June 1866.	1636. GEORGE HENRY MARC MUNTZ, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of certain fittings for gas, steam and water tubes." <i>Letters Patent sealed.</i>
LÉCLANCHÉ. 16th June 1866.	1637. GEORGE LIONEL LÉCLANCHÉ, of No. 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Improvements in voltaic piles." <i>Provisional protection only.</i>
HOPPS. 16th June 1866.	1638. GEORGE HENRY HOPPS, of San Francisco, in the United States of America, but at present residing at 44, Castle Street, Liverpool, in the County of Lancaster, for an invention for—"Improvements applicable to locks."— <i>A communication to him from abroad by George Kitteridge, of San Francisco, California, in the United States of America.</i> <i>Provisional protection only.</i>
WOODS. 18th June 1866.	1639. JOHN EDWARD TENNISON WOODS, of Camberwell Grove, in the County of Surrey, Civil Engineer, for an invention for—"Improvements in the manufacture of pigments." <i>Letters Patent sealed.</i>

PATRICK.
18th June 1866.

1640. WILLIAM BARKER PATRICK, of 9, Mincing Lane, in the City of London, Merchant, for an invention for—"Improvements in the treatment of animal charcoal used by sugar refiners or others, in order to its reuse." *Provisional protection only.*

DALLMEYER.
18th June 1866.

1641. JOHN HENRY DALLMEYER, of 19, Bloomsbury Street, in the County of Middlesex, Optician, for an invention for—"Improvements in compound lenses suitable for photographic uses." *Provisional protection only.*

PARAF.
19th June 1866.

1642. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in fixing coloring matters on textile fabrics, yarns or other materials." *Letters Patent sealed.*

CHALONER.
BILLINGTON.
19th June 1866.

1643. THOMAS CHALONER, and JAMES BILLINGTON, of Preston, in the County of Lancaster, Plumbers, Glaziers, Gasfitters and House Painters, for an invention for—"Improvements in the construction of tools for graining and putting in the 'bates' or pores representing different timbers." *Provisional protection only.*

LUCAS.
19th June 1866.

1644. FELIX BENJAMIN LUCAS, of No. 18, Rue de l'Echiquier, Paris, in the Empire of France, Engineer, for an invention for—"Improvements in the manufacture of screw nuts and bolts." *Letters Patent sealed.*

RENSHAW.
19th June 1866.

1645. ARTHUR DALLISON RENSHAW, of Fetter Lane, in the City of London, Publisher, for an invention for—"Improvements in apparatus, and in the application thereof for the shearing of sheep and other animals." *Letters Patent sealed.*

BOLTON.
19th June 1866.

1646. FRANCIS JOHN BOLTON, of 13, Bruton Street, in the County of Middlesex, a Captain in Her Majesty's Army, for an invention for—"Improvements in the mode of transmitting messages by the electric or magnetic telegraph." *Letters Patent sealed.*

BLATCH.
19th June 1866.

1647. THOMAS BLATCH, of Southampton, in the County of Hants, Engineer, for an invention for—"Improvements in rotary and reciprocating engines." *Letters Patent sealed.*

BENTALL.
19th June 1866.

1648. EDWARD HAMMOND BENTALL, of Heybridge, near Maldon, in the County of Essex, Agricultural Implement Maker, for an invention for—"An improvement in rolling bars for manufacturing nuts." *Provisional protection not granted.*

BOUSFIELD.
19th June 1866.

1649. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"An improved process of utilizing waste vulcanized india-rubber, and manufacturing hard rubber therefrom."—*A communication to him from abroad by Charles McBurney, a person resident at Roxbury, in the County of Norfolk and State of Massachusetts, United States of America.* *Complete specification; Letters Patent sealed.*

PEARSON.
20th June 1866.

1650. EDMOND PEARSON, of Manchester, in the County of Lancaster, Merchant, for an invention for—"Certain improvements in wearing-apparel." *Provisional protection not granted.*

MIROUDE.
20th June 1866.

1651. ADOLPHE MIROUDE, of 18, Rue Lemire, Rouen, in the Empire of France, for an invention for—"A new application of the electric light for lighting buoys of every description." *Letters Patent sealed.*

NADAL.
20th June 1866.

1652. JEAN NADAL, of 13, Newman Street, Oxford Street, in the County of Middlesex, for an invention for—"A new or improved bottle fountain." *Letters Patent sealed and specification filed by order.*

BOWEN.
20th June 1866.

1653. ABRAHAM BOWEN, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in sewing-machines." *Letters Patent sealed.*

FYFFE.
20th June 1866.

1654. DAVID ADAM FYFFE, of Glamis, in the County of Forfar, North Britain, for an invention for—"Improvements in the manufacture of pulp." *Letters Patent sealed.*

BOURDIER.
20th June 1866.

1655. EMILE BOURDIER, of Paris, Department of Seine, in the Empire of France, Jeweller, for an invention for—"Improvements in the construction of salt cellars, and boxes, dishes or vessels containing other condiments." *Provisional protection only.*

TONGUE.
20th June 1866.

1656. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in machinery for the manufacture of metal cartridges."—*A communication to him from abroad by John Angell Wood, of New York, United States of America.* *Provisional protection only.*

MÖLLER. 20th June 1866.	1657. JOHANNES MÖLLER, of No. 8, Shaftesbury Villas, Hornsey Rise, Islington, in the County of Middlesex, Gentleman, for an invention for—"Improvements in obtaining and preparing coloring matter for printing, dyeing and other purposes." <i>Letters Patent sealed.</i>
ABBOTT. 20th June 1866.	1658. JAMES ABBOTT, of Jacob Street, Dockhead, in the County of Surrey, for an invention for—"The better combustion of fuel in steam-boilers' and other furnaces." <i>Letters Patent sealed.</i>
FORGIE. THORNTON. 21st June 1866.	1659. WILLIAM FORGIE, and JOHN THORNTON, both of the Town and County of the Town of Nottingham, Machinists, for an invention for—"Improvements in the construction of life boats and in sails for the same, for the purpose of saving life at sea." <i>Letters Patent sealed.</i>
HART. 21st June 1866.	1660. LAURENCE HART, Sergeant in Her Majesty's Corps of Royal Engineers, for an invention for—"Improvements in the construction of rafts for saving life at sea and for other purposes." <i>Letters Patent sealed.</i>
BROWNE. 21st June 1866.	1661. BENJAMIN BROWNE, of No. 49, King William Street, in the City of London, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of camp or folding bedsteads."— <i>A communication to him from abroad by Robert Clegg, of No. 42, Boulevard de Sebastopol, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
GODFREY. 22nd June 1866.	1662. THOMAS GODFREY, of 17, Hanover Street, Hanover Square, in the County of Middlesex, for an invention for—"Improvements in artificial teeth." <i>Letters Patent sealed and specification filed by order.</i>
HENRY. 22nd June 1866.	1663. CHARLES PHILIPPE HENRY, of Paris, France, Gentleman, for an invention for—"Improvements in paving roads, streets, yards or other similar ways or surfaces." <i>Provisional protection only.</i>
SMITH. 22nd June 1866.	1664. WILLIAM SMITH, of Nottingham, in the County of Nottingham, for an invention for—"Improvements in the manufacture of trimmings and in the machinery employed therein." <i>Letters Patent sealed.</i>
GIRVAN. 22nd June 1866.	1665. JOHN GIRVAN, of Cairnduff, in the County of Antrim, Ireland, for an invention for—"Improvements in reaping-machines." <i>Provisional protection NOT granted.</i>
PARKER. 22nd June 1866.	1666. JAMES PARKER, of 6, Lilford Road, Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in motive-power apparatus applicable for propelling vessels, for raising water and for other purposes." <i>Letters Patent sealed.</i>
HUNT. 22nd June 1866.	1667. EDMUND HUNT, of No. 87, St. Vincent Street, in the City of Glasgow, and No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, for an invention for—"Improvements in dissolving or treating rubber, gutta-percha, copal and similar gums or resins and their compounds." <i>Letters Patent sealed.</i>
DUFOUR. 22nd June 1866.	1668. CHARLES ALPHONSE DUFOUR, of No. 18, Rue de l'Echiquier, Paris, in the Empire of France, Mechanical Engineer, for an invention for—"Improvements in metallic packing for stuffing boxes and other obturators." <i>Letters Patent sealed.</i>
TURTON. 22nd June 1866.	1669. GEORGE TURTON, of Sheffield, in the County of York, Commercial Traveller, for an invention for—"A new or improved rotary engine." <i>Provisional protection only.</i>
WHITBY. 22nd June 1866.	1670. TIMOTHY WHITBY, of 156, York Road, Lambeth, in the County of Surrey, for an invention for—"Improvements in springs for railway and other carriages." <i>Letters Patent sealed.</i>
PEYTON. 22nd June 1866.	1671. EDWARD PEYTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in safes." <i>Letters Patent sealed.</i>
EADES. EADES. 22nd June 1866.	1672. WILLIAM EADES, and WILLIAM THOMAS EADES, of Birmingham, in the County of Warwick, Machinists, for an invention for—"Improvements in apparatus for raising weights." <i>Letters Patent sealed.</i>

- DE GRELLE.
22nd June 1866. 1873. CHARLES DE GRELLE, of Basinghall Street, in the City of London, Merchant, for an invention for—"Improved apparatus for cutting, grinding and polishing the bottoms of tumblers, wine glasses, decanters, and other articles in glass."—*A communication to him from abroad by Antoine Cuttier, Manager of the Société des Manufactures de Glaces, of Brussels, in the Kingdom of Belgium.*
Letters Patent sealed.
- NEWTON.
22nd June 1866. 1874. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of rotary engine."—*A communication to him from abroad by Henry John Behrens, Henry Curtis Dart, and Edward Dart, all of New York City, United States of America.*
Letters Patent sealed.
- DAVIES.
23rd June 1866. 1875. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved steam gauge."—*A communication to him from abroad by Emmett Quinn, of Washington, Columbia, in the United States of America.*
Provisional protection only.
- DEAKIN.
23rd June 1866. 1876. THOMAS DEAKIN, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in overhead railways, and in machinery for moving, turning and weighing goods, wagons, carriages and engines for railway and other purposes." *Provisional protection only.*
- DUNN.
23rd June 1866. 1877. THOMAS DUNN, of Pendleton, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for turning, shaping and cutting metals." *Letters Patent sealed.*
- GARDNER.
23rd June 1866. 1878. HENRY GARDNER, of Gravesend, in the County of Kent, Engineer, for an invention for—"Improvements in cases for packing and transporting bottled ales and other liquors, and in the method of packing the same." *Provisional protection only.*
- BARLOW.
23rd June 1866. 1879. PETER BARLOW, of New Street, Vincent Square, in the County of Middlesex, Pianoforte Manufacturer, for an invention for—"An improved method of exhibiting the time on the dial plates of clocks and watches." *Letters Patent sealed.*
- LEE.
23rd June 1866. 1880. ALFRED LEE, of Bradford, in the County of York, Colour Mixer and Dyer, for an invention for—"Improvements in preparing wool or other animal fibrous substances, yarns and woollen fabrics, for dyeing." *Letters Patent sealed.*
- HILL.
23rd June 1866. 1881. HENRY HILL, of the Town and County of the Town of Nottingham, for an invention for—"Improvements in the working, governing or locking of railway signals and switches." *Letters Patent sealed.*
- POUPARD.
23rd June 1866. 1882. WILLIAM POUPARD, of Blackfriars Road, in the County of Surrey, Engineer, for an invention for—"Improvements in apparatus for screening coals and other materials." *Letters Patent sealed.*
- HUDSON.
23rd June 1866. 1883. THOMAS SMITH HUDSON, of the State of Massachusetts, of the United States of America, for an invention for—"Certain new and useful improvements in machinery for printing surfaces or cancelling revenue or other stamps." *Complete specification; Letters Patent sealed.*
- WELBOURNE.
25th June 1866. 1884. WILLIAM WELBOURNE, of Preston, in the County of Lancaster, for an invention for—"Certain improvements in canisters for containing tea or other substances." *Letters Patent sealed.*
- HEMINGWAY.
25th June 1866. 1885. EDWARD HEMINGWAY, of Brooklyn Mills, Mirfield, in the County of York, Carpet Manufacturer, for an invention for—"Improvements in looms for weaving Dutch carpets by power, and in the manufacture of such fabrics." *Provisional protection only.*
- BREWER.
25th June 1866. 1886. EDWARD GRIFFITH BREWER, of 89, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved coupling for railway carriages, trucks and waggons."—*A communication to him from abroad by Alexander Robert Terry, of Bombay, India.* *Provisional protection only.*
- FITTON.
25th June 1866. 1887. EDWARD GERRARD FITTON, of Leeds, in the County of York, Machinist, for an invention for—"Improvements in machinery for preparing and spinning flax, tow, jute and other fibrous substances." *Letters Patent sealed.*

BROOMAN. 25th June 1866.	1688. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in locks or fastenings."— <i>A communication to him from abroad by Chretien Goynaud and Jacques Eugene Dollier, both of Paris, France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 25th June 1866.	1689. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improvement in wood screws."— <i>A communication to him from abroad by Henry Titus, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
READING. READING. READING. READING. 25th June 1866.	1690. JOHN READING, SAMUEL ALFRED READING, GEORGE EDWARD READING, and FREDERICK FRANCIS READING, all of Birmingham, in the County of Warwick, Jewellers, for an invention for—"Certain improvements in fastenings for articles of dress." <i>Letters Patent sealed.</i>
SAVILLE. 25th June 1866.	1691. THOMAS PROSPER SAVILLE, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
NEWTON. 25th June 1866.	1692. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved spirit meter."— <i>A communication to him from abroad by William Murphy, of Paris, Canada West.</i> <i>Letters Patent sealed.</i>
CHARLES-ANGE. 25th June 1866.	1693. GASTON CHARLES-ANGE, Marquis of Auxy, of Ergie Frasnes, near Leuze, Kingdom of Belgium, for an invention for—"Improved apparatus for treating corn and other materials." <i>Letters Patent sealed.</i>
FIELD. WISE. 25th June 1866.	1694. EDWARD FIELD, of Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, and FRANCIS WISE, of Chandos Chambers, aforesaid, Consulting Engineer, for an invention for—"Improvements in apparatus for generating steam or heating liquids." <i>Letters Patent sealed.</i>
SULLIVAN. 26th June 1866.	1695. HENRY SULLIVAN, of Number 108, Upper Dorset Street, Dublin, for an invention for—"An improved instrument for writing." <i>Provisional protection NOT granted.</i>
CLAYTON. 26th June 1866.	1696. ALFRED CLAYTON, of Kingston, in the County of Surrey, for an invention for—"An improved apparatus for registering the flow of water or other liquids or fluids through pipes or orifices." <i>Provisional protection only.</i>
YOUNG. 26th June 1866.	1697. JAMES YOUNG the younger, of Limefield, in the County of Midlothian, North Britain, Gentleman, for an invention for—"Improvements in apparatus for the treatment of hydro-carbon oils." <i>Provisional protection only.</i>
COTTERILL. 26th June 1866.	1698. CHARLES FORSTER COTTERILL, of Cannock, in the County of Stafford, Gentleman, for an invention for—"Improvements in the manufacture of earthenware and other pipes, and in machinery or apparatus to be employed in the said manufacture." <i>Provisional protection only.</i>
HOLLISS. 26th June 1866.	1699. CHARLES PEACHEY HOLLISS, of Clapham Rise, in the County of Surrey, Manufacturer, for an invention for—"Improved modes of applying packing of elastic or flexible materials to axle trees, springs and bearings of railway and other carriages, to rails, chairs and sleepers, and to frames of machines, for isolating them from contact and preventing noise." <i>Letters Patent sealed.</i>
BUCKLEY. SMITH. 26th June 1866.	1700. WILLIAM BUCKLEY, Engineer, of Neepsend, in the Parish of Sheffield, and LEVI SMITH, Plumber, of Oughtibridge, in the Parish of Ecclesfield, for an invention for—"An improvement in the pistons of steam-engines, which improvement is also applicable to air pump buckets." <i>Letters Patent sealed.</i>
MILROY. 26th June 1866.	1701. JOHN MILROY, of Edinburgh, in the County of Mid Lothian, North Britain, for an invention for—"Improvements in apparatus for excavating." <i>Letters Patent sealed.</i>

GEDGE. 26th June 1866.	1702. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of blocks or pulleys by machinery."— <i>A communication to him from abroad by Arsène Bonnardel, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
LAKE. 26th June 1866.	1703. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in the manufacture of white lead."— <i>A communication to him from abroad by William Bell, Thomas Mara Fell and Ambrose George Fell, all of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
RADISSON. 26th June 1866.	1704. ST. CYR RADISSON, Chemist, residing at No. 5, Rue d'Augustins, Lyons, in the Empire of France, for an invention for—"Improvements in printing on woven fabrics." <i>Provisional protection only.</i>
BEECHING. 26th June 1866.	1705. CHARLES BEECHING, of Woodstock Street, in the County of Middlesex, for an invention for—"Improvements in ships or other navigable vessels to be employed in conveying liquid cargoes." <i>Provisional protection only.</i>
AMBROSE. 27th June 1866.	1706. EDWARD AMBROSE, of Holloway, in the County of Middlesex, Gentleman, for an invention for—"Improvements in Venetian blinds and blind fittings, and in machinery for making the same, parts of which machinery may be used for other purposes." <i>Letters Patent sealed.</i>
MEDLOCK. BAILEY. 27th June 1866.	1707. HENRY MEDLOCK, of No. 22, Tavistock Square, in the County of Middlesex, Analytical Chemist, and WILLIAM BAILEY, of Wolverhampton, in the County of Stafford, Manufacturing Chemist, for an invention for—"Improvements in preserving animal substances." <i>Letters Patent sealed.</i>
NORTHEND. HOLMES. HOPKINSON. BIBBY. 27th June 1866.	1708. JOSEPH NORTHEND, and JOHN HOLMES, of Bradford, in the County of York, Machine and Tool Makers, WILLIAM HOPKINSON, of Bradford, aforesaid, Broker, and WILLIAM BIBBY, of the same place, Mechanic, for an invention for—"Improvements in machinery for combing wool and other fibrous substances." <i>Provisional protection only.</i>
FAIRBANK. 27th June 1866.	1709. WILLIAM FAIRBANK, of Thornbury, near Bradford, in the County of York, for an invention for—"Improved means or apparatus for generating and reserving steam." <i>Provisional protection only.</i>
LAKE. 27th June 1866.	1710. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in the mode of distilling or separating volatile products from oils and other fluids."— <i>A communication to him from abroad by Hamilton Lamphier Smith, of Gambier, Ohio, United States of America.</i> <i>Provisional protection only.</i>
KENNEDY. BARR. 27th June 1866.	1711. THOMAS KENNEDY, junior, and JAMES BARR, both of Kilmarnock, in the County of Ayr, North Britain, Engineers, for an invention for—"Improvements in pistons and cylinders." <i>Provisional protection only.</i>
FYFE. 27th June 1866.	1712. WILLIAM HOLBORNE FYFE, of Greenock, in the County of Renfrew, North Britain, Merchant, for an invention for—"Improvements in apparatus for making bricks."— <i>A communication to him from abroad by Robert Loudon Walker, of Globe Village, Southbridge, Massachusetts, in the United States of America.</i> <i>Letters Patent sealed.</i>
CLYDESDALE. WILSON. 27th June 1866.	1713. ROBERT HARDIE CLYDESDALE, Tobacco Manufacturer, and JAMES ESSON WILSON, Engineer, both of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in apparatus for finishing tobacco." <i>Provisional protection only.</i>
JORDAN. 27th June 1866.	1714. JOHN JORDAN, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"The application of certain spirituous compounds for the production of motive-power." <i>Provisional protection only.</i>
HENSHALL. 27th June 1866.	1715. JOHN HENSHALL, of Ardwick, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus for cutting files." <i>Letters Patent sealed.</i>

HART. 27th June 1866.	1716. HERBERT WILLIAM HART, of Springwell Lodge, Clapham Common, in the County of Surrey, Engineer, for an invention for—"Improved means of or apparatus for preventing the accumulation of mud or dirt on carriage wheels." <i>Provisional protection only.</i>
NEWTON. 27th June 1866.	1717. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in apparatus for raising and forcing water and other liquids, applicable to the ejection of bilge water from vessels, the filling of the tanks of locomotive tenders and other purposes."— <i>A communication to him from abroad by Henry Seagur Lansdell, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
BAKER. 27th June 1866.	1718. Lieutenant-Colonel JAMES BAKER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in thermo-electric magnetic batteries and engines." <i>Letters Patent sealed.</i>
WYATT. 27th June 1866.	1719. WILLIAM WYATT, of Bury St. Edmunds, in the County of Suffolk, Gentleman, for an invention for—"Improvements in screens for screening grain and other substances." <i>Letters Patent sealed.</i>
WEATHERDON. 27th June 1866.	1720. BALDWIN FULFORD WEATHERDON, of 77, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in apparatus for preventing incrustation in steam-boilers."— <i>A communication to him from abroad by Joseph Toth, of Kecskemés, in the County of Pesh, Hungary, in the Empire of Austria.</i> <i>Letters Patent sealed.</i>
PLIMSOLL. 28th June 1866.	1721. HENRY DAVIDSON PLIMSOLL, of 13, Amptill Square, Hampstead Road, in the County of Middlesex, Merchant, for an invention for—"The application of a new material to the purpose of rendering gunpowder non-explosive." <i>Provisional protection only.</i>
GEDGE. 28th June 1866.	1722. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of metal boxes, tins or cases."— <i>A communication to him from abroad by Childéric Allain and Jules Trottier, both of 39, Faubourg St. Martin, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
DAWSON. DAWSON. BROADBENT. 28th June 1866.	1723. DAVID DAWSON, Gentleman, DAN DAWSON, Chemist, and THOMAS BROADBENT, Engineer, all of Milnsbridge, near Huddersfield, in the County of York, for an invention for—"Improved means of and apparatus for extinguishing fire in steam ships, mills, manufactories and other buildings." <i>Letters Patent sealed.</i>
JOHNSON. 28th June 1866.	1724. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for cleaning and decorticating pulse, grain and seeds."— <i>A communication to him from abroad by Eugène Pierre Barrabé, of Paris, in the Empire of France, Merchant.</i> <i>Letters Patent sealed.</i>
HUBERT. TRUSCOTT. 28th June 1866.	1725. FRANÇOIS THIERRY HUBERT, of Amersham Vale, Deptford (Kent), and HENRY DAVID GREEN TRUSCOTT, of 136, East Street, Walworth (Surrey), for an invention for—"Improvements in the construction of general electric telegraphic machines, and the mode of working them." <i>Letters Patent sealed.</i>
BROOMAN. 28th June 1866.	1726. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in obtaining alkaline permanganates."— <i>A communication to him from abroad by Cyprien Marie Tessié du Motay and Charles Raphael Marechal, junior, both of Metz, France.</i> <i>Letters Patent sealed.</i>
LISTER. 28th June 1866.	1727. SAMUEL CUNLIFFE LISTER, of Manningham, Manufacturer, for an invention for—"Improvements in machinery for preparing and carding and in treating silk waste." <i>Letters Patent sealed.</i>
CLARK. 28th June 1866.	1728. DANIEL KINNEAR CLARK, C.E., of 11, Adam Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in locomotive traction engines." <i>Letters Patent sealed.</i>

DEACON.
28th June 1866.

1729. SIMEON DEACON, of the Kennet Iron Works, Reading, in the County of Berks, for an invention for—"Improved machinery for drilling iron and other metals, also for boring wood, for tapping nuts and screwing bolts."

Provisional protection only.

SMITH.
29th June 1866.

1730. THOMAS SMITH, of Rodley, near Leeds, in the County of York, Machinist, for an invention for—"Improved machinery for facing or smoothing the surface of stone."

Provisional protection only.

PILKINGTON.
29th June 1866.

1731. LAWRENCE SEFTON PILKINGTON, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in washing machines."

Provisional protection only.

THOMSON.
29th June 1866.

1732. WILLIAM THOMSON, of the Railway Foundry and Ironworks, Normanton, in the County of York, for an invention for—"Improvements in apparatus for actuating the points or switches of railways."

Provisional protection only.

ASHTON.
29th June 1866.

1733. JOSEPH ASHTON, of 59, Fleet Street, in the City of London, for an invention for—"Improvements in the manufacture of studs and buttons."

Provisional protection only.

HOBSON.
29th June 1866.

1734. HENRY HOBSON, of Newport Road, Middlesbro'-on-Tees, in the County of York, for an invention for—"Improvements in smelting iron ores, and in apparatus used with blast furnaces."

Provisional protection only.

IMRAY.
ELLIS.
29th June 1866.

1735. JOHN IMRAY, of 190, Westminster Bridge Road, in the County of Surrey, Engineer, and JOSEPH ELLIS, of 53, Eccleston Square, in the County of Middlesex, Gentleman, for an invention for—"Improvements in carriage windows and other sliding frames."

Letters Patent sealed.

CLARK.
29th June 1866.

1736. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in embroidering machinery."—*A communication to him from abroad by Ernest Auguste Bourry, Mechanical Engineer, of 29, Boulevard St. Martin, Paris.*

Letters Patent sealed.

HOLMES.
29th June 1866.

1737. SAMUEL HOLMES, of Lincoln's Inn Fields Chambers, in the County of Middlesex, for an invention for—"Improvements in the manufacture of printing ink."

Letters Patent sealed.

HORNSBY.
29th June 1866.

1738. RICHARD HORNSBY, of Spittlegate Iron Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in mowing and reaping machines."

Letters Patent sealed.

JOHNSON.
29th June 1866.

1739. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in brick making machines, and in the machinery or apparatus for operating the same."—*A communication to him from abroad by Isaac Gregg, of Philadelphia, State of Pennsylvania, United States of America.*

Letters Patent sealed.

GRIFFIN.
29th June 1866.

1740. HENRY GRIFFIN, of Silvertown, in the County of Essex, Engineer, in the employ of the India-Rubber, Gutta-Percha and Telegraph Works Company, Limited, for an invention for—"Improvements in combining india-rubber or compounds thereof with metallic substances, for the manufacture of valves and other uses."

Letters Patent sealed.

HUMBER.
HAWORTH.
30th June 1866.

1741. JAMES HUMBER, Cotton Spinner, of Preston, in the County of Lancaster, and GEORGE HAWORTH, Manager, of the same place, for an invention for—"An improved material for covering rollers used in the various processes of making cotton, linen and other yarns."

Provisional protection NOT granted.

KAHNT.
BUNTING.
30th June 1866.

1742. FREDERIC KAHNT, and JOHN BUNTING, both of Sheffield, in the County of York, Table Knife Handle and Spring Knife Scale Manufacturers, for an invention for—"Improvements in the manufacturing of cutlery handles and machinery employed therein."

Letters Patent sealed; specification filed by order.

LAVATER.
30th June 1866.

1743. MANUEL LEOPOLD JONAS LAVATER, India-Rubber Manufacturer, of 29, Boulevard St. Martin, Paris, in the Empire of France, for an invention for—"Improvements in brackets."

Letters Patent sealed.

JACKSON.
30th June 1866.

1744. JOHN JACKSON, of Belmont Works, Battersea, in the County of Surrey, for an invention for—"Improvements in lamps."

Letters Patent sealed.

MACNEILL.
30th June 1866.

1745. TELFORD MACNEILL, of 23, Cockspur Street, Charing Cross, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of railway rolling stock and in the permanent way applicable thereto."

Provisional protection only.

GILLOT.
30th June 1866.

1746. TOUSSAINT FRANÇOIS GILLOT, of Stoke Newington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of leather."

Provisional protection only.

KNAPTON.
30th June 1866.

1747. CHARLES DEMAIN KNAPTON, of Bradford, in the County of York, Manufacturer's Clerk, for an invention for—"Improvements in spinning frames."

Provisional protection only.

BAKER.
2nd July 1866.

1748. WILLIAM JAMES BAKER, of Wakefield, in the County of York, Mechanical Engineer, for an invention for—"An improved method of and apparatus for facilitating the passage of a guard or other person along the outside of a railway passenger train in motion."

Letters Patent sealed.

BONNEVILLE.
2nd July 1866.

1749. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the construction of submarine telegraph cables."—*A communication from Pierre François Léon Pérémé, a person residing in Paris, 138, Boulevard de Neuilly, in the Empire of France, aforesaid.*

Complete specification; Letters Patent sealed.

BONNEVILLE.
2nd July 1866.

1750. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"An improved safety-lock."—*A communication of Louis Jean Pierre Silvestre, Machinist, a person residing in Paris, Rue Neuve Popincourt, 40, in the Empire of France, aforesaid.*

Complete specification; Letters Patent sealed.

BONNEVILLE.
2nd July 1866.

1751. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the construction and laying down of subterraneous telegraph wires."—*A communication from Pierre François Léon Pérémé, a person residing in Paris, 138, Boulevard de Neuilly, in the Empire of France, aforesaid.*

Complete specification; Letters Patent sealed.

BONNEVILLE.
2nd July 1866.

1752. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the construction of furnaces and kilns."—*A communication from Alexandre Martin and Albert Béranger, persons residing in Paris, Rue Louis-le-Grand, in the Empire of France, aforesaid.*

Provisional protection only.

BONNEVILLE.
2nd July 1866.

1753. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in apparatus for applying heat to certain parts of the human body."—*A communication from Emile Duroux, Merchant, a person residing at St. Etienne, in the Department of the Loire, Empire of France, aforesaid.*

Provisional protection only.

BONNEVILLE.
2nd July 1866.

1754. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, for an invention for—"Improvements in the making of bricks."—*A communication from Maurice Abord, Manufacturer, residing at Buissonniers, near Autun, in the Empire of France, aforesaid.*

Letters Patent sealed.

FRÈRE.
2nd July 1866.

1755. GEORGES FRÈRE, of Rue de l'Eperon, No. 7, at Paris, Tinker, for an invention for—"An improved apparatus for fishing."

Provisional protection only.

HODD.
UPTON.
2nd July 1866.

1756. STEPHEN ALLEN HODD, Tea Dealer, and WILLIAM UPTON, Coffee Roaster, both of Brighton, in the County of Sussex, for an invention for—"Improvements in apparatus for roasting coffee."

Provisional protection only.

- APPLEBY.
2nd July 1866. 1757. CHARLES JAMES APPLEBY, of the firm of Appleby, Brothers, of Gracechurch Street, in the City of London, Mechanical Engineer, for an invention for—"Improvements in locomotive and traction engines." *Provisional protection only.*
- CRAVEN.
2nd July 1866. 1758. THOMAS COWELL CRAVEN, of Albany, in the State of New York, United States of America, for an invention for—"An improvement in saws for cotton gins." *Letters Patent sealed.*
- JOHNSON.
2nd July 1866. 1759. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in apparatus for lubricating purposes."—*A communication to him from abroad by Arthur Lewis Le Gallo, of Paris, in the Empire of France.* *Provisional protection only.*
- FRIED.
2nd July 1866. 1760. FRANZ FRIED, of Frankfort-on-the-Main, for an invention for—"New or improved plastic compounds applicable to various purposes where wood, horn and other like substances are now employed." *Provisional protection only.*
- STAUFEN.
2nd July 1866. 1761. WERNER STAUFEN, of 5, Barossa Place, Brompton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment and application of vegetable fibres." *Letters Patent sealed.*
- COOK.
2nd July 1866. 1762. THOMAS COOK, of Arbour Square, Commercial Road East, in the County of Middlesex, for an invention for—"Improved machinery for uniting together materials employed in the manufacture of boots and shoes, saddlery, driving bands and such like articles as require to be strongly united together." *Provisional protection only.*
- SHERATON.
3rd July 1866. 1763. GEORGE ROBERT SHERATON, of Sedgefield, in the County of Durham, for an invention for—"A new or improved instrument to be used in cases of difficult parturition." *Letters Patent sealed; specification filed by order.*
- TYERMAN.
3rd July 1866. 1764. HENRY TYERMAN, of Pontefract, in the County of York, Agricultural Machine Maker, for an invention for—"Improvements in reaping and mowing machines." *Provisional protection only.*
- ADKINS.
3rd July 1866. 1765. WILLIAM ADKINS, of the Lion Works, Heathmill Lane, Birmingham, in the County of Warwick, Screw Stock and Die Manufacturer and Machinist, for an invention for—"Certain improvements in taps and dies for tapping and cutting screws, and machinery to be employed in effecting the same." *Provisional protection only.*
- WOOTTON.
3rd July 1866. 1766. HENRY WOOTTON, of Russell Terrace, Oakley Square, in the County of Middlesex, for an invention for—"Improvements in the construction and arrangement of self-acting railway signals." *Letters Patent sealed.*
- ADOLPH.
3rd July 1866. 1767. WILLIAM ADOLPH, of No. 9, Bury Court, St. Mary Axe, in the City of London, for an invention for—"Improvements in apparatus for obtaining motive-power by means of steam."—*A communication to him from abroad by Jules Claude Louis Charnoz, a person resident at Leipziger Street, Dresden.* *Letters Patent sealed.*
- ALLEMAND.
SPEYSER.
3rd July 1866. 1768. ALEXANDRE PIERRE JOSEPH ALLEMAND, of 12, Rue Saint Jean, Batignolles, Paris, Civil Engineer, and LOUIS GONZAGUE SPEYSER, of 20, Rue du Four, à St. Maur-les-Fossés, près de Paris, Geometrical Engineer, for an invention for—"Improvements in machinery for making bricks, which improvements are also applicable for moulding blocks for building, or for artificial fuel or for other purposes." *Provisional protection only.*
- STARNES.
3rd July 1866. 1769. GEORGE FREDERICK STARNES, of King's Road, Brentwood, in the County of Essex, for an invention for—"Improvements in cotton gins." *Provisional protection only.*
- NICHOLS.
LEACHMAN.
4th July 1866. 1770. DAVID NICHOLS, and WILLIAM BRADSHAW LEACHMAN, both of Leeds, in the County of York, for an invention for—"Improved machinery for manufacturing bricks." *Letters Patent sealed.*
- YOUNG.
4th July 1866. 1771. ROBERT ALFRED YOUNG, of Bristol, in the County of Gloucester, Stay and Corset Manufacturer, for an invention for—"Improvements in the busks of stays and corsets." *Provisional protection only.*
- M'ALLUM.
4th July 1866. 1772. WILLIAM M'ALLUM, of Wester Daldowie, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of machine wires." *Letters Patent sealed.*

MYERNS. 4th July 1866.	1773. ALFRED MYERNS, of Union Street, Whitechapel, in the County of Middlesex, for an invention for—"Improvements in the construction and arrangement of the fastenings of leggings, gaiters, antigropelos and such like articles of dress." <i>Provisional protection only.</i>
CLEGG. SMITH. 4th July 1866.	1774. JOSEPH CLEGG, Manufacturer, and JOHN SMITH, Manager, both of High Crompton, near Oldham, in the County of Lancaster, for an invention for—"Improvements in the manufacture of ribbed pile fabrics." <i>Letters Patent sealed.</i>
SAGAR. RICHMOND. 4th July 1866.	1775. THOMAS SAGAR, Machine Maker, and THOMAS RICHMOND, Manufacturer, both of Burnley, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
BROTHERTON. 4th July 1866.	1776. JOHN BROTHERTON, of the Imperial Tube Works, Wolverhampton, in the County of Stafford, Tube Manufacturer, for an invention for—"Improvements in machinery for making the fittings for gas, steam and water pipes." <i>Letters Patent sealed and specification filed by order.</i>
HENRY. 4th July 1866.	1777. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in governors." <i>A communication to him from abroad by Léon Foucault, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
DOUGHTY. 4th July 1866.	1778. CHARLES DOUGHTY, of the City of Lincoln, Merchant, for an invention for—"Improvements in apparatus for distilling the grease of cotton seed oil and other fatty matters." <i>Letters Patent sealed.</i>
NEWTON. 5th July 1866.	1779. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing machinery." <i>A communication to him from abroad by James Alford House and Henry Alonzo House, both of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
GEDGE. 5th July 1866.	1780. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Manufacturing by the aid of a special arrangement of cylinders or rollers, a novel sort of bar or rod iron suitable for making horse shoe nails." <i>A communication to him from abroad by Joseph Jules Falatieu, of No. 15, Passage des Petites Ecuries, Paris, France, Ironmaster.</i> <i>Letters Patent sealed.</i>
FOWLER. 5th July 1866.	1781. ROBERT FOWLER, of Cornhill, in the City of London, for an invention for—"Improvements in locomotive engines and tenders." <i>A communication to him from abroad by the inventor, Edwin Parkee Quadling, of Cape Town, Cape of Good Hope.</i> <i>Letters Patent sealed.</i>
FAIRBURN. 5th July 1866.	1782. HENRY GEORGE FAIRBURN, of St. Luke's, in the County of Middlesex, Engineer, for an invention for—"An improved process for forming and combining small coal or coal dust into lumps, blocks or otherwise, to be employed for the purposes of fuel." <i>Letters Patent sealed.</i>
NEWTON. 5th July 1866.	1783. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved steering apparatus." <i>A communication to him from abroad by Robert Creuzbaur, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
BRUNTON. 5th July 1866.	1784. JOHN DICKINSON BRUNTON, of 6, Leighton Crescent, Kentish Town, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for sinking shafts or pits, and driving tunnels and galleries." <i>Letters Patent sealed.</i>
NEWTON. 5th July 1866.	1785. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of connecting links or hooks." <i>A communication to him from abroad by Robert Creuzbaur, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
FIELD. 6th July 1866.	1786. LORENZO FIELD, of Birmingham, in the County of Warwick, Cabinet Maker, for an invention for—"Improvements in photographic printing frames." <i>Provisional protection only.</i>

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| <p>CHESNEY.
6th July 1866.</p> <p>AYDON.
FIELD.
6th July 1866.</p> <p>SALMON.
6th July 1866.</p> <p>HEPTONSTALL.
6th July 1866.</p> <p>MONNIER.
D'HONDT.
MEURANT.
6th July 1866.</p> <p>LISHMAN.
6th July 1866.</p> <p>HARVEY.
7th July 1866.</p> <p>KUNSTMANN.
7th July 1866.</p> <p>SIMARD.
7th July 1866.</p> <p>CLARK.
7th July 1866.</p> <p>MURRAY.
7th July 1866.</p> <p>CLARK.
7th July 1866.</p> <p>IVERS.
HADDOCK.
9th July 1866.</p> <p>BELLOT.
9th July 1866.</p> <p>MOSELEY.
9th July 1866.</p> | <p>1787. WILLIAM CHESNEY, of Willenhall, in the County of Stafford, for an invention for—"Improvements in the manufacture of water and steam cocks or stop valves, applicable also for other like purposes." <i>Letters Patent sealed.</i></p> <p>1788. ENOCH HARRISON AYDON, of Wandsworth, in the County of Surrey, Civil Engineer, and EDWARD FIELD, of Chandos Chambers, Adelphi, in the City of Westminster, Consulting Engineer, for an invention for—"Improvements in drawing or exhausting and forcing fluids, and in instruments or apparatus applicable to such purposes." <i>Letters Patent sealed.</i></p> <p>1789. JOHN AIKEN SALMON, of Liverpool, in the County of Lancaster, Engineer, for an invention for—"Certain improvements in furnaces." <i>Letters Patent sealed.</i></p> <p>1790. CHARLES HEPTONSTALL, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"Improvements in looms for weaving stays and similar uneven fabrics." <i>Letters Patent sealed.</i></p> <p>1791. JEAN MONNIER, and CHARLES D'HONDT, both of Roubaix, Nord, France, and JOSEPH MEURANT, of Paris, France, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i></p> <p>1792. THOMAS LISHMAN, of Stockton-on-Tees, in the County of Durham, Engineer, for an invention for—"Improvements in steam-boilers." <i>Provisional protection only.</i></p> <p>1793. CHARLES HARVEY, of No. 27, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i></p> <p>1794. ROBERT KUNSTMANN, of Nuremberg, in the Kingdom of Bavaria, Engineer, but at present residing at 384, City Road, in the County of Middlesex, for an invention for—"Improvements in burning and drying bricks, pottery, earthenware, clay, lime and cement, and in the apparatus employed therein." <i>Provisional protection only.</i></p> <p>1795. PROSPER SIMARD, of No. 38, Ely Place, Holborn, in the County of Middlesex, for an invention for—"Improvements in the manufacture of envelopes by the combination of memorandum, counterfoil and seal lap in one piece." <i>Provisional protection only.</i></p> <p>1796. ALEXANDER CLARK, of Rathbone Place, in the County of Middlesex, Revolving Shutter Manufacturer, for an invention for—"Improvements in blinds and shutters for screening and closing windows and other openings." <i>Letters Patent sealed.</i></p> <p>1797. JOHN MURRAY, of Whitehall Place, in the County of Middlesex, Solicitor, for an invention for—"Improvements in the preparation and application of surfaces for disposing and picking up coin." <i>Letters Patent sealed.</i></p> <p>1798. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines."—<i>A communication to him from abroad by Elias Howe, junior, of Fairfield, Fairfield County, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>1799. THOMAS IVERS, of Farnworth, near Bolton, in the County of Lancaster, Manager, and JESSE HADDOCK, of Ratcliffe, near the City of Manchester, Shuttle Maker, for an invention for—"Improvements in the construction of shuttle tongues." <i>Letters Patent sealed.</i></p> <p>1800. PIERRE JOSEPH BELLOT, senior, of No. 15, Passage des Petites Ecuries, in the City of Paris, in France, Upholsterer, for an invention for—"An improved looking-glass press, including an incombustible strong box." <i>Provisional protection only.</i></p> <p>1801. WALKER MOSELEY, of Nos. 17 and 18, King Street, Covent Garden, in the County of Middlesex, Cutler, for an invention for—"An improved apparatus for slicing and paring cucumbers, and other vegetables and fruits." <i>Letters Patent sealed.</i></p> |
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1809.	4th July 1866.	JOHN GILGUTH, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in marine steam-engines."	Letters Patent sealed.
1810.	4th July 1866.	JOHN GILGUTH, of London Works, Soho, Smethwick, in the County of Lancashire, for an invention for—"Improvements in the manufacture of telegraph and in rolling iron for other uses."	Letters Patent sealed.
1811.	4th July 1866.	JOHN GILGUTH, of the Office for Patents, 66, Chancery Lane, Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in bobbins used in preparing and spinning machinery."—A communication to him from abroad by Benjamin Wilbur, of Scituate, in the State of Massachusetts, United States of America.	Letters Patent sealed.
1812.	4th July 1866.	JOHN GILGUTH, of the Office for Patents, 66, Chancery Lane, Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in coating ships' bottoms and other surfaces."—A communication to him from abroad by Charles James Eames, of the City of New York, in the State of New York, United States of America.	Provisional protection only.
1813.	4th July 1866.	JOHN GILGUTH, of Birmingham, in the County of Warwick, for an invention for—"An improvement in a convertible piano and music stool."—A communication to him from abroad by Mrs. Hess, of Cincinnati, State of Ohio, United States of America.	Provisional protection only.
1814.	4th July 1866.	JOHN GILGUTH, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Architect, for an invention for—"An improved neck-tie or scarf retainer."—A communication to him from abroad by Jacob Albert Eshleman, of Philadelphia, in the State of Pennsylvania, United States of America.	Letters Patent sealed.
1815.	4th July 1866.	JOHN GILGUTH, of Seedhill Linside and Cumberland Mills, Paisley, for an invention for—"Improvements in arranging and working steam-engine valves."—A communication to him from abroad by John Morris Phillips and Joseph Hughes, of Newark, New Jersey, United States of America.	Provisional protection only.
1816.	4th July 1866.	1809. JOHN SPRECKLEY CUTHBERT, of Lindsey Row, Chelsea, in the County of Middlesex, for an invention for—"Improvements in painters' easels."	Letters Patent sealed.
1817.	4th July 1866.	1810. WILLIAM JOSEPH CURTIS, of Holloway, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of breech-loading or repeating fire-arms."	Letters Patent sealed.
1818.	4th July 1866.	1811. JAMES HOWARD, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, Engineer, both of Bedford, in the County of Bedford, for an invention for—"Improvements in the construction of steam-boilers."	Letters Patent sealed.
1819.	4th July 1866.	1812. EDWARD McNALLY, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery or apparatus for grinding and polishing circular saws and other articles."	Letters Patent sealed.
1820.	4th July 1866.	1813. GEORGE WILLIAM HAWKSLEY, MATTHEW WILD, and JOSEPH ASTBURY, all of Sheffield, in the County of York, for an invention for—"A new and improved arrangement of furnace to be applied to steam-boilers, which is also applicable for other purposes."	Letters Patent sealed.
1821.	4th July 1866.	1814. WILLIAM WALKER, of No. 23, Norfolk Street, Strand, London, in the County of Middlesex, for an invention for—"Improvements in and apparatus for dressing or preparing for spinning hemp, flax, jute, manilla hemp and other fibrous materials, and for the conversion of ropes and other cordage and textile fabrics into oakum, tow and paper stuff, dressing and cleaning 'waste' tow, wool, hair and other like 'waste' fibres."	Letters Patent sealed.
1822.	4th July 1866.	1815. ISAAC GREGORY, of Chorlton Hall, Victoria Park, Manchester, County of Lancashire, Fellow of the Royal Geographical Society, for an invention for—"Improvements in the means of communication by signals between passengers, guards and drivers of railway trains."	Complete specification; protection for six months only.

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| <p>HASELTINE.
11th July 1866.</p> <p>THOMPSON.
11th July 1866.</p> <p>DÉGRAVEL.
11th July 1866.</p> <p>HOBBS.
11th July 1866.</p> <p>AUSTIN.
11th July 1866.</p> <p>NEWTON.
11th July 1866.</p> <p>FRASER.
11th July 1866.</p> <p>FOURNEL.
11th July 1866.</p> <p>NAYLOR.
11th July 1866.</p> <p>FARMER.
PARTRIDGE.
WEBB.
11th July 1866.</p> <p>MOSELEY.
12th July 1866.</p> <p>WALKER.
SMITH.
12th July 1866.</p> <p>CORNISH.
12th July 1866.</p> <p>READE.
12th July 1866.</p> | <p>1816. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in screw-bolts and in the apparatus employed in manufacturing the same."—<i>A communication to him from abroad by William Judson Clark, of Southington, in the State of Connecticut, in the United States of America.</i>
<i>Complete specification; Letters Patent sealed.</i></p> <p>1817. WILLIAM THOMPSON, of No. 85, Lower Gardiner Street, in the City and County of Dublin, Ireland, for an invention for—"Improvements in apparatus for filling and corking bottles."
<i>Letters Patent sealed.</i></p> <p>1818. FRANÇOIS DÉGRAVEL, of 2, Rue Sainte Appoline, Paris, Empire of France, Mechanist, for an invention for—"An improved spring suspension for horses' nose-bags."
<i>Provisional protection only.</i></p> <p>1819. WILLIAM HOBBS, of Pancras Lane, in the City of London, Shop Fitter, for an invention for—"Improvements in ordnance whereby they are rendered more portable, and in carriages for transporting the same."
<i>Letters Patent sealed.</i></p> <p>1820. CHARLES EDWARD AUSTIN, of 7, Broad Sanctuary, Westminster, in the County of Middlesex, C.E., for an invention for—"Improvements in apparatus applicable to sewers and drains for separating the fluid and solid parts of sewage."
<i>Letters Patent sealed.</i></p> <p>1821. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for crimping leather for boot fronts."—<i>A communication to him from abroad by John P. Jamison, of the City of New York, United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1822. ROBERT WILLIAM FRASER, Master of Arts, and Author of "Elements of Physical Science," of the City of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"New or improved modes of obtaining and transmitting motive-power, and in the machinery or apparatus employed therefor."
<i>Provisional protection only.</i></p> <p>1823. JULES NICOLAS FOURNEL, of Faubourg St. Pierre, Nancy, in the Empire of France, Civil Engineer, for an invention for—"Improvements in the manufacture of iron and cast iron, and in the apparatus employed therefor."
<i>Letters Patent sealed.</i></p> <p>1824. WILLIAM NAYLOR, of Lorn Terrace, Mildmay Park, in the County of Middlesex, Engineer, for an invention for—"Improvements in steam-engines."
<i>Letters Patent sealed.</i></p> <p>1825. CHARLES WILLIAM FARMER, and WILLIAM EDWARD PARTRIDGE, both of Birmingham, in the County of Warwick, Machinists, and BYRON JESSE PHILIP WEBB, of Belfast, Ireland, Manufacturer, for an invention for—"Certain improvements in connectors for uniting wires, bands, ropes or electric telegraph cables, or other like ropes or cables composed partly of wire and partly of hemp or other desirable compound material."
<i>Provisional protection only.</i></p> <p>1826. JOSEPH MOSELEY, of the Chapel Field Works, in the City of Manchester, India-rubber Manufacturer, for an invention for—"Improvements in the manufacture of card cloth."
<i>Letters Patent sealed.</i></p> <p>1827. WILLIAM GLASSFORD WALKER, and ROBERT FRAZER SMITH, both of Kilmarnock, in the County of Ayr, North Britain, for an invention for—"A certain improved method of producing illuminating gas."
<i>Letters Patent sealed.</i></p> <p>1828. KENNETH HENRY CORNISH, of South Molton Street, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms."
<i>Letters Patent sealed.</i></p> <p>1829. WILLIAM READE, of No. 4, Clayton Square, Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in steam pumps."—<i>A communication to him from abroad by Henry S. Lansdell, of the City of Jersey, in the State of New Jersey, one of the United States of America.</i>
<i>Provisional protection NOT granted.</i></p> |
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WARD. SMALES. 12th July 1866.	1830. JOSEPH WARD, of Gorton, near Manchester, in the County of Lancaster, and JOSEPH SMALES, of Leeds, in the County of York, for an invention for—"Improvements in machinery or apparatus for facilitating the adjustment and testing the working parts of locomotive engines." <i>Letters Patent sealed.</i>
READE. 12th July 1866.	1831. WILLIAM READE, of No. 4, Clayton Square, Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improved means of and apparatus for supplying water to the tanks of locomotive engines and tenders."— <i>A communication to him from abroad by Henry S. Lansdell, of the City of Jersey, in the State of New Jersey, one of the United States of America.</i> <i>Provisional protection NOT granted.</i>
CLARK. 12th July 1866.	1832. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in grease cups."— <i>A communication to him from abroad by Gebhard Hagenmeyer, of Big River, Mendocino County, State of California, United States of America.</i> <i>Letters Patent sealed.</i>
GALLAFENT. 12th July 1866.	1833. DANIEL GALLAFENT, of Stepney Causeway, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for transmitting motion to the rudders of ships and other vessels." <i>Provisional protection only.</i>
ROBERTS. 12th July 1866.	1834. MARTYN JOHN ROBERTS, of Pendarren, near Crickhowell, in the County of Brecon, Esquire, for an invention for—"Improvements in cooling worts and other liquids." <i>Provisional protection only.</i>
NEWTON. 12th July 1866.	1835. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for making covered twist and cord."— <i>A communication to him from abroad by John Turner, of Norwich, in the State of Connecticut, and Isaac Emerson Palmer, of Hackensack, in the State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 12th July 1866.	1836. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of folding chair."— <i>A communication to him from abroad by Benjamin Johns Harrison and James Condie, both of New York City, United States of America.</i> <i>Letters Patent sealed.</i>
DIETRICH. 13th July 1866.	1837. CHARLES FERDINAND DIETRICH, of Holloway, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for compressing air by means of water." <i>Provisional protection only.</i>
LAW. 13th July 1866.	1838. JAMES LAW, Professor of Anatomy in the Albert Veterinary College, Queen's Road, Bayswater, London, for an invention for—"Decolorising the products obtained in the distillation of shale, coal and wood, including tar, for the purposes of dipping, pouring and smearing sheep, and thus preserving the purity of color and the healthy condition of the wool." <i>Provisional protection only.</i>
WILEY. 13th July 1866.	1839. WILLIAM EDWARD WILEY, of Birmingham, in the County of Warwick, for an invention for—"Improvements in holders for marking materials, which improvements are also applicable as holders for other substances." <i>Provisional protection only.</i>
MAKINSON. 13th July 1866.	1840. ALEXANDER WOODLANDS MAKINSON, of Westminster, Civil Engineer, for an invention for—"Improvements in locomotive engines for enabling them to ascend steep inclines." <i>Provisional protection only.</i>
THOMPSON. STATHER. 13th July 1866.	1841. WALKDEN THOMPSON, and THOMAS STATHER, of the Borough of Kingston-upon-Hull, Engineers, for an invention for—"Improvements in mills for grinding corn and other hard substances." <i>Letters Patent sealed.</i>
ROGER. 13th July 1866.	1842. ROBERT ROGER, of Stockton-on-Tees, in the County of Durham, Engineer, for an invention for—"Improvements in steam travelling cranes." <i>Letters Patent sealed.</i>
JOBSON. 13th July 1866.	1843. ROBERT JOBSON, of Dudley, for an invention for—"Improvements in apparatus for holding suspended electric telegraph wires." <i>Provisional protection only.</i>
RAMMELL. 13th July 1866.	1844. THOMAS WEBSTER RAMMELL, of 3, Westminster Chambers, Westminster, in the County of Middlesex, for an invention for—"Improvements in pneumatic railways and in carriages used therein." <i>Letters Patent sealed.</i>

ELLIS. 13th July 1866.	1845. PETER ELLIS, of No. 9, Orange Court, Liverpool, in the County of Lancaster, Architect, for an invention for—"An improved lift, hoist or mechanical elevator, adapted for hotels, warehouses, railway stations and other places, and intended to facilitate and render easy the ascent of persons and goods." <i>Letters Patent sealed.</i>
PRINCE. 13th July 1866.	1846. ALEXANDER PRINCE, of the Office for Patents, No. 4, Trafalgar Square, Charing Cross, in the County of Middlesex, for an invention for—"Improvements in the means of preserving timber from decay."— <i>A communication to him from abroad by George Palmer Ball, resident at New York, United States of America.</i> <i>Letters Patent sealed.</i>
DAY. 14th July 1866.	1847. GEORGE DAY, of Euston Road, in the Parish of Saint Pancras, in the County of Middlesex, Engineer, for an invention for—"An improved apparatus for stopping or curbing horses when they run away or become unmanageable." <i>Provisional protection only.</i>
JUSTICE. 14th July 1866.	1848. WILLIAM JUSTICE, of Dundee, in the County of Forfar, North Britain, for an invention for—"Improvements in motive-power engines." <i>Letters Patent sealed.</i>
SAMPSON. SAMPSON. SAMPSON. BURLISON. 14th July 1866.	1849. JOSEPH SAMPSON, CHARLES SAMPSON, and HENRY SAMPSON, of Bradford, in the County of York, Stuff Finishers, and ROBERT BURLISON, of Thornbury, near the said Bradford, Mechanic, for an invention for—"Improvements in means or apparatus for effecting the 'folding' and 'papering' of woven fabrics." <i>Letters Patent sealed.</i>
CROSSLEY. SUNDERLAND. 14th July 1866.	1850. LOUIS JOHN CROSSLEY, of Willow Hall, near Halifax, and JOSEPH SUNDERLAND, of Halifax, in the County of York, for an invention for—"Improvements in preparing and spinning wool and other fibrous substances." <i>Letters Patent sealed.</i>
INGAMELLS. 14th July 1866.	1851. JESSE INGAMELLS, of Leverton Fen, near Boston, in the County of Lincoln, for an invention for—"Improvements in machinery or apparatus for obtaining and applying motive-power." <i>Provisional protection only.</i>
AGER. 14th July 1866.	1852. WILSON AGER, of the City, County and State of New York, United States of America, now of No. 4, Railway Place, Fenchurch Street, in the City of London, Engineer, for an invention for—"An improved mode of preventing the heating and fouling of guns." <i>Letters Patent sealed.</i>
CLOUGH. SMITH. 16th July 1866.	1853. ROBERT CLOUGH, of Grove Mill, in the Parish of Keighley, in the County of York, Worsted Spinner and Manufacturer, and PRINCE SMITH the elder, of Holly House, in the said Parish, Machine Maker, for an invention for—"An improved method of and apparatus for lubricating the spindles of cap spinning and doubling frames, which apparatus is also applicable as a cleaner to flyer spinning and doubling frames." <i>Letters Patent sealed.</i>
STARK. WOODMAN. 16th July 1866.	1854. ALEXANDER ROGER STARK, Engineer, and JAMES WOODMAN, Commercial Agent, both of Woolwich, in the County of Kent, for an invention for—"Improvements in the means of fixing the covers of gas retorts." <i>Provisional protection only.</i>
NORTON. BÜNGER. 16th July 1866.	1855. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, and FREDERICK LUDOVICUS HENRI WILLIAM BÜNGER, of No. 17, Southampton Buildings, Chancery Lane, for an invention for—"Improvements in apparatus for discharging the water resulting from condensed steam, from apparatus where steam is employed." <i>Provisional protection only.</i>
SOANS. 16th July 1866.	1856. RICHARD SOANS, of Stockton-on-Tees, in the County of Durham, Commercial Traveller, for an invention for—"Improvements in machines for dressing or for removing dirt and foreign matters from currants and other fruit." <i>Letters Patent sealed.</i>
WEBB. 16th July 1866.	1857. THOMAS GEORGE WEBB, of Manchester, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in the manufacture of articles of pressed glass and in machinery or apparatus connected therewith." <i>Provisional protection only.</i>
HEUSSER. 16th July 1866.	1858. EDWARD HEUSSER, of 2, Jewin Crescent, in the City of London, Manufacturer, for an invention for—"An improved travelling bag." <i>Provisional protection only.</i>

MIGNOT. 16th July 1866.	1859. LÉON MIGNOT, residing at No. 148, Faubourg St. Denis, in the City of Paris, in the Empire of France, for an invention for—"Improvements in the preparation of soluble alkaline silicates to render them suitable for being used for preserving stone, wood and other materials, and for manufacturing artificial stone and for other purposes." <i>Letters Patent sealed; no specification filed.</i>
DRUCKER. 17th July 1866.	1860. EDWARD DRUCKER, of No. 97, Cheapside, in the City of London, Merchant, for an invention for—"Improvements in fastenings for corsets, stays and other articles of dress."— <i>A communication to him from abroad by William Sparks Thomson, of the Rue de Presbourg, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
THOMPSON. 17th July 1866.	1861. WILLIAM THOMPSON, of No. 85, Lower Gardiner Street, in the City and County of Dublin, Ireland, for an invention for—"Improvements in machinery or apparatus for mixing and repacking tea, also applicable to the mixing of other granular substances." <i>Letters Patent sealed.</i>
WESTLEY. BEAUMONT. 17th July 1866.	1862. THOMAS WESTLEY, Machinist, and THOMAS RICHARD BEAUMONT, Cotton Spinner, both of Preston, in the County of Lancaster, for an invention for—"Certain improvements in flyers for spinning, roving or slubbing cotton or other fibrous substances." <i>Letters Patent sealed.</i>
RICHARDSON. YEOMANS. 17th July 1866.	1863. JOHN RICHARDSON, of Moselle Terrace, Tottenham, in the County of Middlesex, and JOHN YEOMANS, of Minories, in the City of London, for an invention for—"An improvement in the manufacture of hats." <i>Provisional protection only.</i>
NEWTON. 17th July 1866.	1864. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for spinning yarn."— <i>A communication to him from abroad by Carl Schneichel, of Burtscheid, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
SHORLAND. 17th July 1866.	1865. WILLIAM BURROW SHORLAND, of the City of Manchester, and County of Lancaster, Ironmonger, for an invention for—"Improvements in or applicable to handles for actuating locks, bars, bolts or latches." <i>Provisional protection only.</i>
GEDGE. 17th July 1866.	1866. WILLIAM EDWARD GEDGE, of the firm of John Gedge, and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved gas burner."— <i>A communication to him from abroad by Julius Brönnner, of Frankfort-on-the-Maine, in Germany.</i> <i>Provisional protection only.</i>
VARLEY. VARLEY. 17th July 1866.	1867. CORNELIUS VARLEY, of 337, Kentish Town Road, in the County of Middlesex, and SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, in the said County of Middlesex, Telegraph Engineers and Contractors, for an invention for—"Improvements in electric telegraph apparatus." <i>Letters Patent sealed.</i>
PLANT. 18th July 1866.	1868. GEORGE PLANT, of Manchester, in the County of Lancaster, Boiler Maker, for an invention for—"Improvements in the means and apparatus employed in the manufacture of taper or conical and other forms of wrought-iron and steel tubes, and in forming flanches thereon." <i>Letters Patent sealed.</i>
MCVITIE. 18th July 1866.	1869. JOHN MCVITIE, of Preston, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in mules for spinning." <i>Letters Patent sealed.</i>
MACINTOSH. BOGGETT. 18th July 1866.	1870. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, and WILLIAM BOGGETT, of Lindsey Houses, Chelsea, in the County of Middlesex, for an invention for—"Improvements in elastic fabrics." <i>Letters Patent sealed.</i>
BARKER. 18th July 1866.	1871. DAVID BARKER, of Northfleet, in the County of Kent, for an invention for—"Improvements in the construction of apparatus for mixing, pressing and moulding coal and other substances, for the formation of artificial fuel, and dividing the same into blocks, such apparatus being also applicable to other analogous operations." <i>Provisional protection only.</i>
MOFFAT. 18th July 1866.	1872. JOHN MOFFAT, of Ardrossan, in the County of Ayr, North Britain, for an invention for—"Certain improvements in lamps." <i>Provisional protection only.</i>

- GEDGE.
18th July 1866. 1873. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved method of instantly releasing or unharnessing one or more horses from carriages of every description."—*A communication to him from abroad by Elie Larivière, of No. 15, Passage des Petites Ecuries, Paris, France, Mechanician.* Provisional protection only.
- SALAMON.
18th July 1866. 1874. NAHUM SALAMON, of Ludgate Hill, in the City of London, Agent, for an invention for—"An improvement in sewing machinery."—*A communication to him from abroad by Amasa Bemis Howe, of the City of New York, United States of America.* Letters Patent sealed.
- LAGARRIGUE.
CASTERA.
18th July 1866. 1875. JEAN JOSEPH LOUIS MARIE LAGARRIGUE, and PIERRE ARISTIDE CASTERA, both of Upper Clapton, in the County of Middlesex, for an invention for—"A new or improved mode of actuating or working the points or crossings of railways, so as to dispense with pointsmen." Letters Patent sealed.
- TOLHAUSEN.
18th July 1866. 1876. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, Patent Agent, for an invention for—"Improvements in sewing and button hole machines."—*A communication to him from Emil Cajar and Charles Sichel, two persons resident at New York, in the United States of America.* Letters Patent sealed.
- GOAD.
GOAD.
18th July 1866. 1877. JOHN GOAD, and EDMOND GOAD, both of Plymouth, in the County of Devon, Limestone Merchants, for an invention for—"Improvements in mile posts and other indicators or signs used on railways and other places." Letters Patent sealed.
- GILLARD.
19th July 1866. 1878. JOSEPH PIERRE GILLARD, of Paris, France, Civil Engineer, for an invention for—"Improvements in apparatus for accelerating the generation and transmission of electricity." Provisional protection only.
- GILBERT.
DUBREUX.
19th July 1866. 1879. DENIS MARIE GILBERT, and LOUIS ADOLPHE DUBREUX, of Paris, France, Gentlemen, for an invention for—"A new fastening for letter envelopes." Provisional protection only.
- CLARK.
19th July 1866. 1880. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in sewing-machines and in the devices used to impart motion to the same or to other machines."—*A communication to him from abroad by Albin Warth, of Stapleton, Richmond County, State of New York, and Eberhard Faber, of New York City, both in the United States of America.* Letters Patent sealed.
- TONGUE.
19th July 1866. 1881. WILLIAM TONGUE, of Wakefield, in the County of York, Engineer, for an invention for—"Improved methods and apparatus for steeping, boiling, bleaching and dyeing fibrous materials." Letters Patent sealed.
- Longbottom.
SHAW.
19th July 1866. 1882. SAMUEL LONGBOTTOM, and THOMAS SHAW, of Brighouse, in the County of York, Machine Makers, for an invention for—"Improvements in machinery for condensing wool or other fibrous substances." Letters Patent sealed.
- WORNUM.
19th July 1866. 1883. ALFRED NICHOLSON WORNUM, of Store Street, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in pianofortes." Provisional protection only.
- NEIDLINGER.
19th July 1866. 1884. FREDERICK NEIDLINGER, of Allen Street, Goswell Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Charles Crosby, of New Haven, and John Schenck, of New York, both in the United States of America.* Letters Patent sealed.
- IRVINE.
BRASH.
19th July 1866. 1885. ROBERT IRVINE, of Magdalen Bridge, in the County of Midlothian, North Britain, Chemist, and PETER BRASH, of Leith, in the same County, Soap and Candle Manufacturer, for an invention for—"Improvements in the treatment of certain residues in order to obtain fatty acids therefrom." Letters Patent sealed.
- NETHERSOLE.
20th July 1866. 1886. WILLIAM EDWARD NETHERSOLE, of 60, Adam Street, Cardiff, in the County of Glamorganshire, for an invention for—"Facilitating the tipping of coal or other material from railway wagons, and for the prevention of breakage of coal in tipping, also waste of coal while tipping." Provisional protection only.
- BURGESS.
20th July 1866. 1887. WILLIAM BURGESS, of 7, Montpelier Road, Queen's Road, Peckham, in the County of Surrey, Gentleman, for an invention for—"Improvements in apparatus for washing, wringing and mangling." Provisional protection only.

MENNONS. 20th July 1866.	1888. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 8, Southampton Buildings, in the County of Middlesex, and 27, Rue Lafitte, Paris, in the Empire of France, for an invention for—"Improvements in the mode of and apparatus for generating gas for lighting, heating and other purposes."— <i>A communication from Jaroslav Zadora Paszkowski and Olgerd Sabinski, persons resident at Brussels, in the Kingdom of Belgium.</i> <i>Complete specification: Letters Patent sealed.</i>
ROWLEY. 20th July 1866.	1889. FRANCIS JOSEPH ROWLEY, of Saint John Street, in the Parish of Saint Sepulchre, and County of Middlesex, Gas Fitter, for an invention for—"Improvements in gas pendants, gasaliers and gas brackets." <i>Provisional protection only.</i>
TROTMAN. 21st July 1866.	1890. HENRY TROTMAN, of Southampton, in the County of Hants, Engineer, for an invention for—"A feed box for the prevention of injury to marine boilers with surface condensing engines." <i>Letters Patent sealed.</i>
SMITH. 21st July 1866.	1891. HUGH SMITH, of the firm of Smith, Brothers and Company, of Glasgow, in the County of Lanark, North Britain, Engineers, for an invention for—"Improvements in rivetting, boring and other apparatus and arrangements to be used in constructing ships, bridges, boilers and other metallic structures." <i>Letters Patent sealed.</i>
HOOPER. 21st July 1866.	1892. RICHARD HOOPER, of Bradford, near Manchester, in the County of Lancaster, Iron Works Manager, for an invention for—"Certain improvements in furnaces." <i>Provisional protection only.</i>
DAVIS. 21st July 1866.	1893. WILLIAM STAMFORD DAVIS, 11, Clayton Street, Kennington, Parish of St. Mary, Lambeth, County Surry, for an invention for—"An improved roller for window-blinds, maps, almanacks and other similar articles." <i>Provisional protection only.</i>
LUCAS. 21st July 1866.	1894. THOMAS HOLDEN LUCAS, of West Bromwich, in the County of Stafford, for an invention for—"Improvements in machinery for the manufacture of nails." <i>Provisional protection only.</i>
BELLAMY. 21st July 1866.	1895. WILLIAM BELLAMY, of Birmingham, in the County of Warwick, Electro-plater, for an invention for—"Certain improvements in apparatus used for imbining or sucking in liquids, known as 'bombillas.'" <i>Letters Patent sealed.</i>
CANOUIL. 21st July 1866.	1896. GERMAIN CANOUIL, of Paris, France, Chemist, for an invention for—"Improvements in amorces or primings for fire-arms, toy-arms or detonating toys." <i>Letters Patent sealed.</i>
CANOUIL. BLANCHON. 21st July 1866.	1897. GERMAIN CANOUIL, and FRANÇOIS ARMAND BLANCHON, of Paris, France, Gentlemen, for an invention for—"Improvements in fire-arms, toy-arms and detonating toys." <i>Letters Patent sealed.</i>
TOMLINSON. 21st July 1866.	1898. EDWARD TOMLINSON, of 85, Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in ornamenting, printing, cutting and manufacturing articles from wood and other materials." <i>Provisional protection only.</i>
VON RATHEN. ELLIS. 21st July 1866.	1899. ANTHONY BERNHARD BARON VON RATHEN, of Fitzroy Square, and GEORGE HENRY ELLIS, Engineer, of Southampton Buildings, both in the County of Middlesex, for an invention for—"A new or improved mode of constructing a motive-power wheel, whereby to obtain permanent motion by the application of compressed air or any other elastic fluid." <i>Provisional protection only.</i>
BAYLISS. 21st July 1866.	1900. MOSES BAYLISS, of the firm of Bayliss, Jones and Bayliss, of Wolverhampton, in the County of Stafford, Manufacturers, for an invention for—"Improvements in machinery for the manufacture of bolts and spikes and other similar articles." <i>Letters Patent sealed.</i>
NEWTON. 21st July 1866.	1901. ROBERT NEWTON, of Lower Providence Mill, near Keighley, in the County of York, for an invention for—"Improved means or apparatus for consuming smoke in the furnaces of steam-boilers, also in other furnaces where applicable." <i>Letters Patent sealed.</i>
SAUNDERS. PIPER. 21st July 1866.	1902. JOHN SAUNDERS, and JOSEPH PIPER, of Cookley Iron Works, Kidderminster, for an invention for—"Improvements in the manufacture of tin andterne plates." <i>Letters Patent sealed.</i>

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| <p>MITCHELL.
21st July 1866.</p> <p>MORGAN.
21st July 1866.</p> <p>LEACH.
23rd July 1866.</p> <p>LEIGH.
PALMER.
WHITEHEAD.
23rd July 1866.</p> <p>MAGNIN.
23rd July 1866.</p> <p>KIMBALL.
23rd July 1866.</p> <p>RAMSBOTTOM.
23rd July 1866.</p> <p>SOVEREIGN.
23rd July 1866.</p> <p>ANDREWS.
23rd July 1866.</p> <p>BOUSFIELD.
23rd July 1866.</p> <p>BOUSFIELD.
23rd July 1866.</p> <p>NOBLE.
23rd July 1866.</p> <p>MOUNTFORD.
LOVERSIDGE.
23rd July 1866.</p> <p>JOHNSON.
23rd July 1866.</p> <p>DAVIES.
[24th July 1866.</p> | <p>1903. ROBERT MITCHELL, of Wolverhampton, in the County of Stafford, Engineer, for an invention for—"Improvements in shaping and forging metals, and in the machinery or apparatus employed therein."
<i>Letters Patent sealed and specification filed by order.</i></p> <p>1904. JOHN MORGAN, of 23, Stephens Green, North, in the City of Dublin, Surgeon, for an invention for—"Improvements in preserving animal substances and in sealing tins or cases containing preserved provisions, and in the apparatus employed therein."
<i>Provisional protection only.</i></p> <p>1905. JAMES LEACH, of 4, Franklin Place, St. James' Street, Hatcham, Old Kent Road, in the County of Surrey, for an invention for—"Improvements in refining paraffine wax."
<i>Provisional protection only.</i></p> <p>1906. EVAN LEIGH, HENRY THOMAS PALMER, and WILLIAM EDWARD WHITEHEAD, of Miles Platting, near Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for cleaning and preparing cotton or other fibrous substances."
<i>Letters Patent sealed.</i></p> <p>1907. ALEXANDRE MAGNIN, of 29, Boulevard St. Martin, Paris, Lamp Maker, for an invention for—"Improvements in lamps and other lighting and heating apparatus fed by mineral or other volatile liquids."
<i>Letters Patent sealed.</i></p> <p>1908. ALONZO KIMBALL, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in sewing-machines."
<i>Letters Patent sealed.</i></p> <p>1909. JOHN RAMSBOTTOM, of Blackburn, in the County of Lancaster, Hydraulic Engineer, for an invention for—"Improvements in the method of using and treating steam for purposes of obtaining motive-power, and in apparatus connected therewith."
<i>Provisional protection only.</i></p> <p>1910. LEVI LEMON SOVEREIGN, of No. 16, New Park Street, Southwark, in the County of Surrey, Engineer, for an invention for—"An improved implement for beating and cutting meat and other substances."
<i>Provisional protection only.</i></p> <p>1911. THOMAS ANDREWS, of Comber, in the County of Down and Kingdom of Ireland, Flax Spinner, for an invention for—"Improvements in machines for winding or warping and drying yarns."
<i>Letters Patent sealed; no specification filed.</i></p> <p>1912. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of certain alkaloids derived from aniline and its homologues, and in their transformation into coloring matters suitable for dyeing and printing."—<i>A communication to him from abroad by Alcide Poirrier and Charles Chappat, persons resident at 23, Rue d'Hauteville, Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>1913. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in producing and superheating steam."—<i>A communication to him from abroad by James Farquharson McKenzie, a person resident at Melbourn, in the Colony of Victoria.</i>
<i>Letters Patent sealed.</i></p> <p>1914. ANDREW NOBLE, of Newcastle-upon-Tyne, Engineer, late Captain in the Royal Artillery, for an invention for—"Improvements in the construction of segment shells."
<i>Provisional protection only.</i></p> <p>1915. GEORGE MOUNTFORD, of Grasscroft, near Greenfield, in the County of York, Manager, and GEORGE LOMAS LOVERSIDGE, of Hayes Street, in the City of Manchester, Tanner, for an invention for—"Improvements in the tanning of hides and skins."
<i>Letters Patent sealed.</i></p> <p>1916. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in grate bars for furnaces and fire-places."—<i>A communication to him from abroad by William McMonnies, of New York, in the United States of America.</i>
<i>Letters Patent sealed.</i></p> <p>1917. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of sulphate of soda and sulphate of potash."—<i>A communication to him from abroad by Paul Rémond, of Paris, in the Empire of France.</i>
<i>Provisional protection only.</i></p> |
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WOODBURY. 24th July 1866.	1918. WALTER BENTLEY WOODBURY, of Rusholme, near Manchester, in the County of Lancaster, Gentleman, for an invention for—"An improved method of and apparatus for printing from metal intaglios (obtained by the aid of photography) in gelatinous or other semi-transparent ink." <i>Letters Patent sealed.</i>
GEDGE. 24th July 1866.	1919. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved sweeping machine or apparatus."— <i>A communication to him from abroad by Alexandre Philippe Eugène Fleurquin, of No. 15, Passage des Petites Ecuries, Paris, France, Gentleman.</i> <i>Provisional protection NOT granted.</i>
CORBETT. 24th July 1866.	1920. THOMAS CORBETT, of Shrewsbury, in the County of Salop, Agricultural Engineer, for an invention for—"Improvements in reaping-machines." <i>Provisional protection only.</i>
NEWTON. 24th July 1866.	1921. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for burnishing or polishing enamelled paper."— <i>A communication to him from abroad by Edwin Blood, of Newburyport, in the State of Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 24th July 1866.	1922. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for hulling and finishing rice, which improvements are also applicable to hulling and polishing other grain."— <i>A communication to him from abroad by Stephen Oscar Ryder, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
KOCHS. 24th July 1866.	1923. WILLIAM EDWARD KOCHS, of Tichborne Street, Edgware Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of railway carriages." <i>Provisional protection only.</i>
VAUGHAN. 24th July 1866.	1924. EDWARD PRIMEROSE HOWARD VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved method of and apparatus for preventing incrustation in steam-boilers."— <i>A communication to him from abroad by Robert Breckenridge Baker and Charles James Adolphus Dick, both residing at Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
PALMER. 24th July 1866.	1925. FITZMAURICE PALMER, of Old Derrig, Queen's County, Ireland, Gentleman, for an invention for—"Improvements in ships or vessels of war, part of which improvements are applicable to other ships or vessels." <i>Provisional protection only.</i>
SELWYN. 25th July 1866.	1926. JASPER HENRY SELWYN, of Chequers Court, Tring, in the County of Hertfordshire, for an invention for—"Improvements in shaping metals and other ductile materials." <i>Provisional protection only.</i>
PRINCE. 25th July 1866.	1927. HENRY PRINCE, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in motive-power engines." <i>Letters Patent sealed.</i>
STRANG. 25th July 1866.	1928. JAMES STRANG, of Glasgow, in the County of Lanark, North Britain, Yarn Agent, for an invention for—"Improvements in tubes and skewers for cops." <i>Letters Patent sealed.</i>
BOEDDINGHAUS. 25th July 1866.	1929. JULIUS BOEDDINGHAUS, of Elberfeld, in the Kingdom of Prussia, for an invention for—"Improvements in means or apparatus for the production of fancy or figure weaving." <i>Letters Patent sealed.</i>
HINKS. HINKS. 25th July 1866.	1930. JAMES HINKS, and JOSEPH HINKS, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in lamps for burning petroleum oil and other volatile liquid hydrocarbons." <i>Letters Patent sealed.</i>
LEA. LANE. 25th July 1866.	1931. HENRY LEA, of Birmingham, in the County of Warwick, Mechanical Engineer, and THOMAS LANE, of Birmingham, aforesaid, Civil Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
CALISHER. 25th July 1866.	1932. HENRY CALISHER, of Rue Richelieu, 99, Paris, in the Empire of France, Merchant, for an invention for—"Certain improvements in fire-arms." <i>Complete specification; Letters Patent sealed.</i>

LIVESEY.
25th July 1866.

1933. JAMES LIVESEY, of 10, Park Street, Westminster, Engineer, for an invention for—"Improvements in refining cast iron."—*A communication to him from abroad by Thomas Blair, a person resident at Pittsburgh, Pennsylvania, United States of America.*
Provisional protection only.

BROOMAN.
25th July 1866.

1934. CLINTON EDGECUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"A new or improved process or method of treating armour plates to render them inoxidizable."—*A communication to him from abroad by Mayeul Bernabé, of Paris, France.*
Provisional protection only.

VAVASSEUR.
25th July 1866.

1935. JOSIAH VAVASSEUR, of Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in compressors or apparatus for receiving and absorbing the recoil of guns and other ordnance."
Letters Patent sealed.

WOODRUFF.
25th July 1866.

1936. GEORGE BALDWIN WOODRUFF, of Cheapside, in the City of London, Mechanical Engineer, for an invention for—"Improvements in the construction of sewing-machines."
Letters Patent sealed.

NEWTON.
25th July 1866.

1937. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in dyeing and hardening dyed woods, and also in preparing wood to be used in the manufacture of the cylinders of carding-engines."—*A communication to him from abroad by Barton Howard Jenks, of Bridesburgh, in the State of Pennsylvania, United States of America.*
Letters Patent sealed.

NEWTON.
25th July 1866.

1938. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in treating iron for the purpose of converting it into steel or hard metal, and for plating or coating and hardening and tempering iron and steel."—*A communication to him from abroad by Elliot Savage, of West Meriden, State of Connecticut, United States of America.*
Letters Patent sealed.

KOCHS.
26th July 1866.

1939. WILLIAM EDWARD KOCHS, of 33, Tichborne Street, Edgware Road, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam slide valves for locomotive, marine and general steam-engines, and water valves."
Provisional protection only.

BONNEVILLE.
26th July 1866.

1940. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved explosive compound mixture."—*A communication from Baron Alfred Antoine de Cantillon de Ballyhigue and Edward Cokes, two persons residing at No. 250, Rue St. Honoré, Paris, in the Empire of France.*
Provisional protection only.

BONNEVILLE.
26th July 1866.

1941. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in steam generators."—*A communication from Henry Petitpierre, a person residing at Batignolles, in the Empire of France, aforesaid.*
Letters Patent sealed and specification filed by order.

TOMS.
26th July 1866.

1942. WILLIAM TOMS, of Devonshire Street, Queen's Square, in the County of Middlesex, for an invention for—"An improved rein clip or holder."
Provisional protection only.

BENTALL.
26th July 1866.

1943. EDWARD HAMMOND BENTALL, of Heybridge, near Maldon, in the County of Essex, Agricultural Implement Maker, for an invention for—"Improved machinery for sharpening saws."
Letters Patent sealed.

HOFFMAN.
WILSON.
26th July 1866.

1944. JOHN WILLIAM HOFFMAN, Gentleman, of Birmingham, in the County of Warwick, and GEORGE ROWE WILSON, India-rubber Manufacturer, of the same place, for an invention for—"Improvements in an apparatus for lowering and raising window-blinds, curtains, maps and the like."
Provisional protection only.

HAYEM.
26th July 1866.

1945. ISIDORE HAYEM, junior, of 2, Rue Sainte Appoline, Paris, Empire of France, Merchant, for an invention for—"Improvements in buttons or studs to be used for fastening the shirt, the false collar and the cravat or bow cravat, ladies' collars and cravats, or other wearing-apparel."
Provisional protection only.

ADAMS. 26th July 1866.	1946. THOMAS ADAMS, of Carbilly Cottage, West Kent Park, Forest Hill, in the County of Kent, Engineer, for an invention for—"A new motive-power engine." <i>Provisional protection only.</i>
HUBBARD. ADAMS. 26th July 1866.	1947. JOHN PAGE HUBBARD, of 13, King Street, Dawlish, and CHARLES ADAMS, of High Street, Exeter, in the County of Devon, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
WELDON. 26th July 1866.	1948. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements in the manufacture of chlorine." <i>Letters Patent sealed.</i>
HADDAN. 27th July 1866.	1949. JOHN COOPE HADDAN, of Bessborough Gardens, Pimlico, in the County of Middlesex, Engineer, for an invention for—"Improvements in anchors." <i>Provisional protection only.</i>
MATHIEU. 27th July 1866.	1950. ALEXIS VICTOR MATHIEU, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Medical Doctor, for an invention for—"An improved apparatus for irrigating the intestines, the vagina, the bladder, the brain, the eyes and eyelids." <i>Letters Patent sealed.</i>
SEATON. 27th July 1866.	1951. WILLIAM SEATON, of Glanton Villa, Sydenham Rise, in the County of Surrey, Gentleman, for an invention for—"Improvements in the permanent way of railways." <i>Letters Patent sealed.</i>
STROUDLEY. 27th July 1866.	1952. WILLIAM STROUDLEY, of Inverness, Scotland, for an invention for—"Improvements in the means of and apparatus for locking facing points or switches of railways." <i>Letters Patent sealed.</i>
ORR. 27th July 1866.	1953. JOHN ORR, of Sutton Mill, Crosshills, near Leeds, in the County of York, for an invention for—"Improvements in ornamental weaving and in apparatus employed therein." <i>Letters Patent sealed.</i>
SPEIGHT. 27th July 1866.	1954. GEORGE SPEIGHT, of Collingwood Street, City Road, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in collars for the neck and in wristbands." <i>Provisional protection only.</i>
ABEL. 28th July 1866.	1955. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus for regulating the supply of water and other fluids to steam-boilers and other receptacles."— <i>A communication to him from abroad by Michel Hervier and Léon Guizot, both of Paris, in the Empire of France, Engineers.</i> <i>Letters Patent sealed.</i>
GRIESS. CARO. 28th July 1866.	1956. PETER GRIESS, of Burton-on-Trent, in the County of Stafford, Chemist, and HEINRICH CARO, of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in the preparation of bodies in which nitrogen is substituted for hydrogen." <i>Letters Patent sealed.</i>
PHILLIPS-SMITH. 28th July 1866.	1957. JOHN PHILLIPS-SMITH, of Hereford, in the County of Hereford, Engineer, for an invention for—"Improvements in traction engines, parts of which improvements are also applicable to locomotive engines and wheeled carriages." <i>Letters Patent sealed.</i>
CLARK. 28th July 1866.	1958. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in rotary engines."— <i>A communication to him from abroad by Truman Merriam and James Cushing, both of Waterloo, Jefferson County, State of Wisconsin, United States of America.</i> <i>Provisional protection only.</i>
ADAMS. 28th July 1866.	1959. JOHN ADAMS, of No. 391, Strand, in the County of Middlesex, for an invention for—"Improvements in the construction of revolver fire-arms and in apparatus employed in their manufacture, also in cartridges to be used therewith." <i>Letters Patent sealed.</i>
RICHARDS. 28th July 1866.	1960. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
WHEELER. 30th July 1866.	1961. JOHN JACKSON WHEELER, of 189, Fulham Road, London, for an invention for—"Tipping walking sticks, and the sticks and ribs of sunshades, parasols and umbrellas, with glass." <i>Provisional protection only.</i>

- PICKERING.
30th July 1866.
1962. JONATHAN PICKERING, of Stockton-on-Tees, in the County of Durham, for an invention for—"Improvements in hot blast for smelting and other furnaces."
Provisional protection only.
- McKENZIE.
CLUNES.
HOLLAND.
30th July 1866.
1963. JOHN McKENZIE, THOMAS CLUNES, and WALTER HOLLAND, all of the Vulcan Iron Works, in the City of Worcester, Engineers, for an invention for—"Improvements in machinery or apparatus for actuating and regulating railway points and signals."
Letters Patent sealed.
- GREENWOOD.
KEATS.
30th July 1866.
1964. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, and WILLIAM KEATS, of Leek, in the County of Stafford, Boot and Shoe Manufacturer, for an invention for—"Improvements in machinery and apparatus for the manufacture of boots and shoes and other coverings for the feet."
Letters Patent sealed.
- BIBBY.
BIBBY.
31st July 1866.
1965. THOMAS BIBBY, and JAMES BIBBY, both of Burnley, in the County of Lancaster, Waste Dealers, for an invention for—"Certain improvements in machinery or apparatus for manufacturing paper bags."
Letters Patent sealed.
- PARAF.
31st July 1866.
1966. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"The application to medicine, for beverages, and for industrial purposes, of a new gaseous water."—*A communication to him from abroad by Paul Schutzenberger, of the College of France, Paris. Provisional protection only.*
- BULLOUGH.
OPENSHAW.
31st July 1866.
1967. THOMAS BULLOUGH, Overlooker, and GEORGE OPENSHAW, Cutlooker, both of Darcy Lever, near Bolton, in the County of Lancaster, for an invention for—"Improvements in shuttles used for weaving."
Provisional protection only.
- BIRKBECK.
31st July 1866.
1968. JOHN ADDISON BIRKBECK, of Dunstan Villa, Chesterfield, in the County of Derby, Mechanical Engineer, for an invention for—"Improvements in washing coal, ores and other minerals."
Letters Patent sealed.
- HILLS.
31st July 1866.
1969. FRANK CLARKE HILLS, of the Chemical Works, Deptford, in the County of Kent, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of oxalic acid."
Provisional protection only.
- BODMER.
31st July 1866.
1970. JOHN JAMES BODMER, of Newport, in the County of Monmouth, for an invention for—"Improvements in the manufacture of cements, concretes and artificial stone."
Letters Patent sealed.
- BOUSFIELD.
31st July 1866.
1971. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of fuel from peat and such like vegetable matter."—*A communication to him from abroad by Louis Elsberg, a person resident at the City of New York, United States of America. Complete specification; Letters Patent sealed.*
- GEDGE.
31st July 1866.
1972. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Imitating mother of pearl upon various surfaces."—*A communication to him from abroad by Charles Sticht, of 39, Faubourg St. Martin, Paris, France. Letters Patent sealed.*
- GEDGE.
31st July 1866.
1973. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved fastening intended to replace the ordinary screws and nuts in bedsteads and articles of furniture generally."—*A communication to him from abroad by Pierre Armand Protard, of No. 15, Passage des Petites Ecuries, Paris, France. Provisional protection only.*
- GEDGE.
31st July 1866.
1974. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved spade or digging implement."—*A communication to him from abroad by Marie Naslot, of No. 39, Faubourg St. Martin, Paris, France. Provisional protection only.*
- POOL.
1st August 1866.
1975. JOHN POOL, of 31, Riley Street, Chelsea, in the County of Middlesex, Engineer, for an invention for—"Improvements in manufacturing metallic hoops for casks or other wooden vessels or utensils, and in machinery therefor."
Provisional protection only.

STOKES. FAULKNER. 1st August 1866.	1976. WILLIAM STOKES, of Birmingham, in the County of Warwick, Machinist, and CHARLES FAULKNER, of Birmingham, aforesaid, Gun Barrel Manufacturer, for an invention for—"Improvements in breech-loading fire-arms, and in cartridges for breech-loading fire-arms." <i>Provisional protection only.</i>
BILLING. 1st August 1866.	1977. EDWIN ISAAC BILLING, of Handsworth, in the County of Stafford, Photographer, for an invention for—"Improvements in safes." <i>Letters Patent sealed.</i>
PARAF. 1st August 1866.	1978. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in deoxidation and precipitation."— <i>A communication to him from abroad by Matthias Paraf-Javal, of Thann, France.</i> <i>Provisional protection only.</i>
BEAUMONT. McMASTER. 1st August 1866.	1979. WALTER BEAUMONT, of Stockton Range, Chorlton-cum-Hardy, near the City of Manchester, Captain of the 33rd Lancashire Rifle Volunteers, and WILLIAM McMASTER, of the City of Manchester, Surveyor, for an invention for—"Improvements in apparatus for holding and releasing cords, chains, ropes and bands." <i>Letters Patent sealed.</i>
SAWYER. BAUMAN. 1st August 1866.	1980. JOSEPH SAWYER, of Forston Street, Engineer, and FREDERICK BAUMAN, of Oakley Square, Gentleman, both in the County of Middlesex, for an invention for—"Improved machinery or apparatus and processes for the manufacture of paper pulp from wood and other fibrous materials." <i>Letters Patent sealed.</i>
GILMAN. 1st August 1866.	1981. EDWARD GILMAN, of Prospect Place, Wandsworth Road, in the County of Surrey, for an invention for—"An improved velocipede." <i>Provisional protection only.</i>
ROBINSON. 1st August 1866.	1982. JOHN ROBINSON, of the Atlas Works, in the City of Manchester, and County of Lancaster, Engineer, for an invention for—"Improvements in the Giffard injector."— <i>A communication to him from abroad by William Sellers, of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
COUCH. 1st August 1866.	1983. GEORGE HENRY COUCH, of Croydon, in the County of Surrey, Carpenter, for an invention for—"An improved tenoning and shouldering machine." <i>Letters Patent sealed.</i>
PARRY. MORRIS. 1st August 1866.	1984. JOHN PARRY, of Llanberis, in the County of Carnarvon, Manager of Slate Works, and RICHARD MORRIS, of Cwm-y-glo, in the same County, Mechanic, for an invention for—"Improved machinery for sharpening saws." <i>Letters Patent sealed; specification filed by order.</i>
NEWTON. 1st August 1866.	1985. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved method of promoting combustion of fuel in steam-boiler furnaces and other furnaces."— <i>A communication to him from abroad by Clark Fisher, of Trenton, in the State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
CHATWOOD. STURGEON. STURGEON. 1st August 1866.	1986. SAMUEL CHATWOOD, of Bolton-le-moors, in the County of Lancaster, Safe and Lock Engineer, and JOHN STURGEON, of Burley, near Leeds, in the County of York, Consulting Engineer, and THOMAS STURGEON, of Burley, near Leeds, in the County of York, Engineer, for an invention for—"Improvements in hammers and in mechanism used therewith." <i>Letters Patent sealed.</i>
TALABOT. 1st August 1866.	1987. JULES TALABOT, Manufacturer, residing at No. 26, Boulevard des Italiens, Paris, in the Empire of France, for an invention for—"Improvements in cutting files." <i>Provisional protection only.</i>
PLANTROU. 2nd August 1866.	1988. CHARLES NICOLAS PLANTROU, of Oissel-sur-Seine, in the Department of the Seine Inférieure, in the Empire of France, Manufacturer, for an invention for—"Improvements in machinery for carding, combing and cleaning cotton and other fibrous substances." <i>Letters Patent sealed.</i>
MARSHALL. 2nd August 1866.	1989. WILLIAM ALFRED MARSHALL, of Leadenhall Street, in the City of London, Telegraph Engineer, for an invention for—"A new and improved method for insulating and protecting electric telegraph wires for submarine, subterranean and other lines, with improvements in the machinery and in the process and material." <i>Provisional protection only.</i>

- LAMB.
2nd August 1866. 1890. EPHRAIM LAMB, of 54, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of fire-escapes, such improvements being applicable to the construction of apparatus for analogous purposes." *Provisional protection only.*
- HAM.
2nd August 1866. 1891. JOHN BEACHAM HAM, of Norwich, in the County of Norfolk, Engineer, for an invention for—"An improved corn rick stand and waterproof cover." *Provisional protection only.*
- FURNESS.
BRAY.
2d August 1866. 1892. WILLIAM FURNESS, of the Borough Road, Southwark, and WILLIAM BRAY, of Croydon, both in the County of Surrey, for an invention for—"Improvements in machinery for cutting files and rasps." *Letters Patent sealed.*
- CHILLCOTT.
2nd August 1866. 1893. ISAAC ELDON CHILLCOTT, of the City and County of Bristol, for an invention for—"An improvement in the construction of safes, strong rooms and other similar depositories." *Provisional protection only.*
- RICHARDSON.
2nd August 1866. 1894. JOHN THOMAS HADEN RICHARDSON, of Tutbury, in the County of Stafford, for an invention for—"An improvement in moulding or pressing glass." *Letters Patent sealed.*
- JOHNSON.
2nd August 1866. 1895. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"A new or improved implement for the use of boot and shoe makers."—*A communication to him from abroad by David Henry Barber, of Cambridge, in the State of New York, and George Mellen Wells, of Chicago, both in the United States of America.* *Letters Patent sealed.*
- NEWTON.
2nd August 1866. 1896. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of ordnance."—*A communication to him from abroad by John Ericsson, of the City of New York, in the United States of America.* *Letters Patent sealed.*
- CAMPBELL.
2nd August 1866. 1897. GEORGE CAMPBELL, of No. 26, Leadenhall Street, in the City of London, for an invention for—"Improvements in apparatus for raising aëriiform and other fluids."—*A communication to him from abroad by Jeremiah William Foard, a person resident at San Francisco, in California.* *Provisional protection only.*
- BOUSFIELD.
2nd August 1866. 1898. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in carding-engines."—*A communication to him from abroad by Edward Adam Cutler, of Providence, Rhode Island, and Charles Bliven, of Putnam, Connecticut, both in the United States of America.* *Provisional protection only.*
- BATCHELDER.
2nd August 1866. 1899. HAZEN JAY BATCHELDER, of the State of Massachusetts, of the United States of America, for an invention for—"A new and useful invention having reference to the manufacture of horse-shoes or various other articles." *Complete specification ; Letters Patent sealed.*
- AVERY.
2nd August 1866. 2000. JOHN GILBERT AVERY, of No 4, Cheapside, in the City of London, Merchant, for an invention for—"Improvements in churns."—*A communication to him from abroad by Leander Langdon, of Northampton, Massachusetts, United States of America.* *Provisional protection only.*
- ARMSTRONG.
2nd August 1866. 2001. SAMUEL THOMPSON ARMSTRONG, of the City, County and State of New York, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in machinery for cutting dove-tail joints."—*A communication to him from abroad by Frederick Woolcot Armstrong, of Plainfield, New Jersey, United States of America.* *Letters Patent sealed.*
- FAIR.
2nd August 1866. 2002. GEORGE WASHINGTON FAIR, of Dayton, Montgomery County, State of Ohio, in the United States of North America, for an invention for—"A smoke consuming heater." *Letters Patent sealed.*
- KILVERT.
3rd August 1866. 2003. NICHOLAS KILVERT, of Manchester, in the County of Lancaster, Lard Refiner, for an invention for—"Certain improvements in machinery or apparatus for amalgamating, purifying, cooling and bleaching lard or other similar materials." *Letters Patent sealed.*
- WHITTAKER.
3rd August 1866. 2004. JAMES WHITTAKER, of the City of Manchester, in the County of Lancaster, Manufacturer of Fancy Goods, for an invention for—"Improvements in ladies' dress suspenders." *Letters Patent sealed.*

CAMPBELL. COFFEY. 3rd August 1866.	2005. THOMAS CAMPBELL, Paper Stainer, of Newton Heath, near Manchester, and HENRY COFFEY, General Merchant, of the City of Manchester, both in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for staining or coating the surfaces of paper with color or other material." <i>Letters Patent sealed.</i>
DEAKIN. JOHNSON. 3rd August 1866.	2006. WILLIAM DEAKIN, of Great Barr, in the County of Stafford, Ironmaster, and JOHN BAGNALL JOHNSON, of Tettenhall, also in the County of Stafford, Roll Turner, for an invention for—"Improved means and appliances for the manufacture of tubular and hollow cylindrical bodies where great strength and lightness is required." <i>Provisional protection not granted.</i>
JOHNSON. 3rd August 1866.	2007. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the mode of securing corks and stoppers in the necks or mouths of bottles, jars and other vessels."— <i>A communication to him from abroad by Arthur Barbarin, of New Orleans, in the State of Louisiana, America.</i> <i>Letters Patent sealed.</i>
MACK. 3rd August 1866.	2008. WILHELM HENDRIK KLERCK MACK, of Tromsø, in Norway, now residing at the Grosvenor Hotel, Pimlico, in the County of Middlesex, for an invention for—"Improvements in apparatus to be used for fishing."— <i>A communication to him from abroad by Johan Kildal, a person resident at Bredevik, near Harstadhavn, in Senjen, Norway.</i> <i>Letters Patent sealed; specification filed by order.</i>
RITCHIE. 3rd August 1866.	2009. CHARLES RITCHIE, of Upper Tulse Hill, in the County of Surrey, for an invention for—"Improvements in ships' furniture in which a steady platform is required." <i>Letters Patent sealed.</i>
MURRAY. 3rd August 1866.	2010. PETER MURRAY, of Victoria Cottage, Dundee, for an invention for—"Improvements in machinery for forming the teeth of bevel wheels." <i>Letters Patent sealed.</i>
PRATT. PRATT. 4th August 1866.	2011. CALEB PRATT, and JOSIAH PRATT, of Wilderness Row, in the County of Middlesex, for an invention for—"Improvements in motive-power engines." <i>Letters Patent sealed.</i>
HARTCLIFFE. LEE. 4th August 1866.	2012. WILLIAM HARTCLIFFE, junior, and THOMAS HARTCLIFFE LEE, both of Salford, in the County of Lancaster, Chain Makers, for an invention for—"Improvements in the manufacture of flat-linked chains, and in the machinery employed in rivetting and swaging the same and other articles." <i>Letters Patent sealed.</i>
BOYD. 4th August 1866.	2013. JOHN BOYD, of Glasgow, in the County of Lanark, North Britain, Engineer and Machine Maker, for an invention for—"Improvements in winding apparatus." <i>Letters Patent sealed.</i>
JACKSON. 4th August 1866.	2014. WILLIAM JACKSON, of Birmingham, in the County of Warwick, Engineer, for an invention for—"A new soufflating accumulating pump or hydraulic engine." <i>Provisional protection only.</i>
VESCOVALI. 4th August 1866.	2015. ANGELO VESCOVALI, of the City of Rome, but now residing at Bath Hotel, Piccadilly, in the County of Middlesex, for an invention for—"Improvements in the mode of and apparatus for increasing the adhesion of locomotive engine wheels to their rails." <i>Provisional protection only.</i>
WILSON. 4th August 1866.	2016. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms, and in cartridges for breech-loading fire-arms, and in converting muzzle-loading fire-arms into breech-loading fire-arms." <i>Letters Patent sealed.</i>
DIMOCK. 4th August 1866.	2017. IRA DIMOCK, of 97, Cheapside, in the City of London, for an invention for—"Improvements in sewing-machines."— <i>A communication to him from abroad by George Lynden Jencks, a person resident at Florence, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
HOFFMAN. WILSON. 6th August 1866.	2018. JOHN WILLIAM HOFFMAN, Gentleman, of Birmingham, in the County of Warwick, and GEORGE ROWE WILSON, India-rubber Manufacturer, of the same place, for an invention for—"Improvements in metallic mirrors." <i>Provisional protection only.</i>

- PARSONS.
6th August 1866. 2019. PERCEVAL MOSES PARSONS, of Blackheath, in the County of Kent, Civil Engineer, for an invention for—"Improvements in the permanent way of railways and in screw-bolts for the same, which latter are also applicable to other purposes."
Provisional protection only.
- SMITH.
6th August 1866. 2020. WILLIAM SMITH, of Barnard Castle, in the County of Durham, Machinist, for an invention for—"An improved horse road scraper and brush."
Complete specification; Letters Patent sealed.
- LAMB.
6th August 1866. 2021. EPHRAIM LAMB, of 54, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of fire-escapes."
Provisional protection only.
- LAMB.
6th August 1866. 2022. EPHRAIM LAMB, of 54, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of bridges and other like or analogous structures."
Provisional protection only.
- MEDCALF.
NICHOLLS.
6th August 1866. 2023. RALPH MEDCALF, of Bow Lane, in the City of London, Engineer, and WILLIAM NICHOLLS, of Bow, in the County of Middlesex, Pattern Maker, for an invention for—"Improvements in couplings or connections, particularly adapted for coupling or connecting gas, water and other pipes."
Provisional protection only.
- JOHNSON.
6th August 1866. 2024. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for stamping, crushing and pulverising ores and other hard substances, parts of which improvements are applicable to power hammers."—*A communication to him from abroad by William Wright, of New York, in the United States of America.*
Letters Patent sealed.
- HAMILTON.
6th August 1866. 2025. JOHN HAMILTON, of Glasgow, in the County of Lanark, North Britain, Merchant, for an invention for—"Improvements in artificial material for producing gas for illuminating purposes."
Letters Patent sealed.
- NEWTON.
6th August 1866. 2026. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of carbonates and bi-carbonates of soda and potash, the soluble and insoluble silicates of soda and potash, and muriatic acid, from chlorides of sodium and potassium."—*A communication to him from abroad by Haydn Mozart Baker, Joseph Henry Poole and William Ralph Stace, all of Rochester, in the State of New York, United States of America.*
Letters Patent sealed.
- LAKE.
6th August 1866. 2027. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in steps or foot bearings for spindles."—*A communication to him from abroad by Thomas Marsh and David Fales, both of Smithfield, Rhode Island, United States of America.*
Letters Patent sealed.
- WINDLE.
7th August 1866. 2028. GEORGE BARNES WINDLE, of 56, Maiden Lane, in the City of New York, in the United States of America, but now residing at 53, Gracechurch Street, in the City of London, for an invention for—"Improvements in the construction of portable lanterns."
Provisional protection only.
- LYWOOD.
7th August 1866. 2029. EDWIN LYWOOD, of Middle Week, Andover, in the County of Hants, for an invention for—"A new or improved apparatus or instrument for facilitating the ascertaining of the temperature of hay, corn, haulm or seed ricks, stacks, mows or heaps, also applicable for ventilating the said ricks, stacks, mows or heaps, and for extracting samples from the interior thereof."
Letters Patent sealed.
- ZANNI.
7th August 1866. 2030. GEMINIANO ZANNI, of Rathbone Place, in the County of Middlesex, for an invention for—"Improvements in mechanism for obtaining and applying motive-power."
Provisional protection only.
- BOTTOMLEY.
7th August 1866. 2031. WILLIAM BOTTOMLEY, of Bramley, near Leeds, in the County of York, Machinist, for an invention for—"Improvements in machinery for fulling woollen cloths."
Provisional protection only.
- WARRINER.
STALLARD.
7th August 1866. 2032. GEORGE WARRINER, of Little Ilford, in the County of Essex, Gentleman, and WILLIAM HENRY STALLARD, of Bexley Heath, in the County of Kent, Gentleman, for an invention for—"An improved lamp."
Letters Patent sealed.

LAKE. 7th August 1866.	2033. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus or machine for removing the seeds or stones from raisins and other dried fruit."— <i>A communication to him from abroad by William Emerson Baker, of Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
BROWNE. 7th August 1866.	2034. JOHN NICHOLLS BROWNE, of 31, Elgin Crescent, Notting Hill, in the County of Middlesex, for an invention for—"Improvements in preserving wood."— <i>A communication to him from abroad by Louis Robbins, a person resident at the City of New York, United States of America.</i> <i>Provisional protection only.</i>
McEVoy. 7th August 1866.	2035. CHARLES AMBROSE McEVoy, of 28, Bedford Square, in the County of Middlesex, for an invention for—"Improvements in torpedoes or submarine explosive instruments."— <i>Letters Patent sealed.</i>
NEWTON. 7th August 1866.	2036. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in chucks for turning lathes and other tools."— <i>A communication to him from abroad by Isaac Smith and William Harvey Haight, both of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
SIBLEY. 8th August 1866.	2037. JOHN SIBLEY, of Ashton-under-Lyne, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in machinery or apparatus for spinning and doubling cotton or other fibrous material."— <i>Provisional protection only.</i>
BENSON. 8th August 1866.	2038. Sir JOHN BENSON, Knight, of the City of Cork, Civil Engineer, for an invention for—"Improvements in the processes of jointing and connecting together armour plates used for covering and defending ships, ships' turrets, or batteries on land, against the effect of shot."— <i>Provisional protection only.</i>
HOLLAND. 8th August 1866.	2039. HENRY HOLLAND, of Birmingham, in the County of Warwick, Umbrella and Parasol Manufacturer, for an invention for—"Improvements in the manufacture of umbrellas and parasols."— <i>Letters Patent sealed.</i>
DAVIES. 8th August 1866.	2040. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer, and Patent Agent, for an invention for—"An improved mode of and apparatus for printing on glass and other materials."— <i>A communication to him from abroad by Isaac Lewis Miles, of Charlestown, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
CLARK. 8th August 1866.	2041. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in double hydrostatic scales for determining the load of ships or boats."— <i>A communication to him from abroad by Wilhelm Oskar Reim, of Springfield, in the County of Clark and State of Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
INGÉ. 8th August 1866.	2042. EUGÈNE HENRI DÉSIRÉ INGÉ, of Nelson Square, in the County of Surrey, for an invention for—"Improvements in the mode of applying covers or awnings to garden and other similar seats, which improvements are also applicable to awnings or covers for other purposes."— <i>A communication to him from abroad by Adolphe Laumeau, a person residing at Versailles, in the Empire of France.</i> <i>Provisional protection only.</i>
SPENCE. 8th August 1866.	2043. PETER SPENCE, of Newton Heath, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the production of sal-ammoniac in a commercial form."— <i>Letters Patent sealed.</i>
ROBINSON. SMITH. 8th August 1866.	2044. JOHN ROBINSON, of Rochdale, in the County of Lancaster, Engineer, and JOHN SMITH, of the same place, Engineer, for an invention for—"Improvements in applying motive-power to saw frames."— <i>Provisional protection only.</i>
HOARE. 8th August 1866.	2045. WILLIAM HOARE, of Wood Street, Cheapside, in the City of London, Stationer, for an invention for—"Improved apparatus for damping direction and other labels."— <i>Provisional protection only.</i>

OLDROYD. GODEFROY. 8th August 1866	2046. ALLEN OLDROYD, of 4, Oakfield Terrace, Clapton, in the County of Middlesex, Engineer, and PETER AUGUSTIN GODEFROY, of 5, Church Road, Homerton, in the County of Middlesex, aforesaid, Operative Chemist, for an invention for—"Improvements in the treatment of jute." <i>Provisional protection only.</i>
TURNER. 9th August 1866.	2047. JAMES TURNER, of Fleming Road, Walworth, in the County of Surrey, Gas Meter Maker, for an invention for—"Improvements in wet gas-meters." <i>Provisional protection only.</i>
HARKES. 9th August 1866.	2048. GEORGE BELL HARKES, of Eden Place, Lavender Road, Battersea, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of rotary steam-engines." <i>Letters Patent sealed.</i>
GATHERCOLE. 9th August 1866.	2049. JAMES GATHERCOLE, of No. 4, Cranmer Terrace, Cranmer Road, Brixton, in the County of Surrey, for an invention for—"Improved machinery for making envelopes and paper and other bags." <i>Provisional protection only.</i>
BROWN. HITON. 9th August 1866.	2050. JOHN BROWN, and JOHN HITON, both of Bolton, in the County of Lancaster, Machine Makers, for an invention for—"Certain improvements in jacquard machines." <i>Provisional protection only.</i>
DONNET. 9th August 1866.	2051. BARTHÉLEMY DONNET, of 23, Passage Menilmontant, Paris, Mechanician, for an invention for—"A moveable shuttle distributor applicable to fringe machinery, and also for certain useful improvements in fringe machines." <i>Provisional protection only.</i>
LAKE. 9th August 1866.	2052. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved telegraphic cable."— <i>A communication to him from abroad by Alexander John Baptist De Morat, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
JUDKINS. 9th August 1866.	2053. CHARLES TIOT JUDKINS, of 4, Ludgate Hill, in the City of London, Manufacturer, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
CLARK. 9th August 1866.	2054. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in musical instruments and notation."— <i>A communication to him from abroad by Carl Friedrick Zimmermann and John H. Harjes, both of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
CLAY. 9th August 1866.	2055. JOHN CLAY, of Yardley, in the County of Worcester, Saddler, for an invention for—"Improvements in saddles." <i>Letters Patent sealed.</i>
NEWTON. 9th August 1866.	2056. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in machinery for manufacturing envelopes, partly also applicable to other purposes."— <i>A communication to him from abroad by Edwin Allen and John Turner, both of Norwich, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
GEDGE. 9th August 1866.	2057. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the construction of buckles or fastenings for braces and other articles."— <i>A communication to him from abroad by Charles Alfred Tordery, of Lyons, France, Merchant.</i> <i>Provisional protection only.</i>
WILLIAMS. 10th August 1866.	2058. LEWIS EDWARD WILLIAMS, of Peckskill, Westchester County, State of New York, one of the United States of America, at present residing at Halifax, in the County of York, England, for an invention for—"Improvements in explosive shells." <i>Letters Patent sealed.</i>
COTTERILL. 10th August 1866.	2059. CHARLES FORSTER COTTERILL, of Cannock, in the County of Stafford, Gentleman, for an invention for—"Improvements in the manufacture of earthenware and other pipes, and in machinery or apparatus to be employed in the said manufacture." <i>Letters Patent sealed.</i>

MUIR. McILWHAM. 10th August 1866.	2060. MATTHEW ANDREW MUIR, and JAMES McILWHAM, of Glasgow, in the County of Lanark, North Britain, Machinists, for an invention for—"Improvements in making moulds for casting ground screws for fence and other posts, and in apparatus therefor." <i>Letters Patent sealed.</i>
RENDEL. 10th August 1866.	2061. GEORGE WIGHTWICK RENDEL, of Newcastle-upon-Tyne, Civil Engineer, for an invention for—"Improvements in the manufacture of coiled iron tubes or cylinders used in the construction of cannon." <i>Provisional protection only.</i>
MOSLEY. 11th August 1866.	2062. WILLIAM MOSLEY the younger, of Salford, in the County of Lancaster, Bleacher, for an invention for—"Improvements in furnaces." <i>Provisional protection only.</i>
COLLINS. CAMPBELL. 11th August 1866.	2063. JAMES COLLINS, of Manchester, in the County of Lancaster, Stationer, and ANDREW DWIGHT CAMPBELL, of the same place, Machine Agent, for an invention for—"Certain improvements in stamps for producing impressions, which are also applicable to cylinder printing."— <i>A communication to them from abroad by Jabez Elverson, residing at Newark, New Jersey, United States of America.</i> <i>Provisional protection only.</i>
KEIRBY. 11th August 1866.	2064. JOHN EDWIN KEIRBY, of Parker Street Mill, Manchester, in the County of Lancaster, India-rubber Merchant, for an invention for—"Improvements in packing for steam, water, air and gas tight joints." <i>Letters Patent sealed.</i>
CRAIG. 11th August 1866.	2065. HENRY GRIFFITH CRAIG, of Youghal, in the County of Cork, in Ireland, for an invention for—"An improved needle gun." <i>Letters Patent sealed.</i>
CLARK. 11th August 1866.	2066. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the utilization of chloride of manganese (residue of the manufacture of chlorine) in the manufacture of peroxide of manganese, chlorine and hydrochloric acid, and in apparatus for the same."— <i>A communication to him from abroad by Eugène Alphonse Cotellet, Distiller, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
ENSLEY. 11th August 1866.	2067. JOHN ISRAEL ENSLEY, of the City of New York, in the State of New York, and United States of America, Machinist, for an invention for—"An improved apparatus for manufacturing illuminating gas and producing bone black and other valuable residuum." <i>Provisional protection only.</i>
WEATHERDON. 11th August 1866.	2068. BALDWIN FULFORD WEATHERDON, of 77, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in thermometers and pyrometers."— <i>A communication to him from abroad by Charles Leroy and Joseph Jean Marie Durand (Candle Manufacturers), of Route de Fontainebleau, Seine, in the Empire of France, and Celestin Pichoin, of Route d'Italie, Paris, in the aforesaid Empire.</i> <i>Provisional protection only.</i>
COWPER. 13th August 1866.	2069. EDWARD ALFRED COWPER, of Great George Street, Westminster, for an invention for—"Improvements in machinery for sewing." <i>Letters Patent sealed.</i>
LEIGH. 13th August 1866.	2070. ROBERT LEIGH, of the Douglas Forge, Wigan, in the County of Lancaster, for an invention for—"A new or improved direct-acting lift or tilt hammer." <i>Letters Patent sealed.</i>
BELL. 13th August 1866.	2071. HENRY BELL, of Belfast, in the County of Antrim, in Ireland, Gentleman, for an invention for—"Improvements in violins, violas, violoncellos and guitars." <i>Letters Patent sealed.</i>
MARCHAL. 13th August 1866.	2072. DÉSIRÉ MARCHAL, of Brussels, in the Kingdom of Belgium, Civil Engineer, for an invention for—"Improvements in the combustion and prevention of smoke, and in increasing the heating power of fuel." <i>Letters Patent sealed.</i>
NEWTON. 13th August 1866.	2073. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Alexander James Bergen, of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
WHALLEY. 13th August 1866.	2074. EDWARD WHALLEY, of Blackburn, in the County of Lancaster, Operative Cotton Spinner, for an invention for—"Improved machinery to be employed in the manufacture of banding or twine from cotton, worsted, linen or silk 'cop bottoms,' which machinery is also applicable to the manufacture of banding or twine from threads prepared for that purpose." <i>Letters Patent sealed.</i>

SANDERSON. 13th August 1866.	2075. HENRY SANDERSON, of the firm of William Sanderson and Sons, of Sheffield, in the County of York, Table Knife Manufacturers, for an invention for—"Improvements in the manufacture of knives and forks." <i>Letters Patent sealed.</i>
HALLIWELL. 13th August 1866.	2076. JOHN HALLIWELL, of Baslow, in the County of Derby, Commission Wool Buyer and Farmer, for an invention for—"An improved apparatus or implement for ploughing, digging and cultivating land." <i>Provisional protection only.</i>
ROWBOTHAM. 14th August 1866.	2077. SAMUEL ROWBOTHAM, of Brookside, Penketh, near Warrington, in the County Palatine of Lancaster, for an invention for—"Making caustic soda from common salt or chloride of sodium, by the action of lead or its oxide, and afterwards recovering the lead as oxide or otherwise for use again in making caustic soda from common salt." <i>Provisional protection only.</i>
WILSON. MARTIN. 14th August 1866.	2078. ROBERT WILSON, of Patricroft, near the City of Manchester, Engineer, and WILLIAM MARTIN, junior, of Dundee, North Britain, Calenderer, for an invention for—"Certain improvements in the construction and mode of working calenders and mangles used in finishing textile fabrics." <i>Letters Patent sealed.</i>
BAGLEY. 14th August 1866.	2079. RICHARD BAGLEY, of Birmingham, in the County of Warwick, Machinist, for an invention for—"An improved screw stock." <i>Letters Patent sealed.</i>
GEDGE. 14th August 1866.	2080. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved horse shoe."— <i>A communication to him from abroad by Charles Jean Baptiste Peillard, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
PAGE. 14th August 1866.	2081. EDWARD PAGE, of Bedford, in the County of Bedford, Engineer, for an invention for—"Improvements in means or apparatus for the manufacture of bricks and tiles." <i>Provisional protection only.</i>
NEWTON. 14th August 1866.	2082. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved mode of fastening boiler tubes."— <i>A communication to him from abroad by James Bowden, Horace Theall and William Henry Cobanks, all of New York City, in the United States of America.</i> <i>Provisional protection only.</i>
WANKLYN. PARAF. 14th August 1866.	2083. JAMES ALFRED WANKLYN, of the City of London, Professor of Chemistry, and ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in the production of green coloring matters for dyeing and printing textile fabrics and yarns." <i>Provisional protection only.</i>
BAXTER. 14th August 1866.	2084. CHARLES FRANCIS BAXTER, of Boston, Massachusetts, United States of America, now residing at Nelson Square, Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in waterproofing textile fabrics, and in preserving leather, cork, wood and vulcanized india-rubber, also terra cotta, stucco, brick and like substances." <i>Provisional protection only.</i>
CURRENT 15th August 1866.	2085. WILLIAM JAMES CURRENT, of Plymouth, in the County of Devon, Mariner, for an invention for—"An improved and simplified code of signals, to be used by day or night, at sea or upon land, with flags and ventilating lamps." <i>Provisional protection only.</i>
EDMONDSON. CARSON. 15th August 1866.	2086. JOHN BEEBY EDMONDSON, of the City of Manchester, Railway Ticket Manufacturer, and JAMES CARSON, of the same place, Foreman, for an invention for—"Improvements in presses for printing the date or other particulars on railway and other tickets." <i>Letters Patent sealed.</i>
ALLEY. 15th August 1866.	2087. STEPHEN ALLEY, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in drilling machines." <i>Letters Patent sealed.</i>
WORTH. 15th August 1866.	2088. ROBERT JAMES WORTH, of Stockton-on-Tees, in the County of Durham, for an invention for—"Certain improvements in direct-acting steam pumps." <i>Provisional protection only.</i>

PETTY. SAYER. 15th August 1866.	2089. HENRY JAMES PETTY, of No. 1, Prospect Terrace, Stoke Newington, Middlesex, Machine Ruler, and CHARLES FREDERICK SAYER, of No. 49, Queen's Road, Dalston, Middlesex, House Decorator, for an invention for—"An improved and simple method for the working of perpendicular sliding sashes, doors and shutters or any other perpendicular sliding fittings, by the aid of spring rollers, and the construction of the self-securing moveable beads to admit of such sliding sashes, doors and shutters, or other perpendicular sliding fittings, being taken out for the purpose of cleaning or otherwise." <i>Provisional protection only.</i>
TURNER. 15th August 1866.	2090. JAMES ALFRED TURNER, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in woven fabrics." <i>Provisional protection only.</i>
DE RUSSETT. DALE. 15th August 1866.	2091. EDWIN WILLIAM DE RUSSETT, of Lewisham, in the County of Kent, Engineer, and RICHARD FARRELL DALE, of Shoe Lane, in the City of London, Founder, for an invention for—"Improvements in pumps and in adapting them for propelling vessels and for other purposes." <i>Letters Patent sealed.</i>
BROOKES. 15th August 1866.	2092. WILLIAM BROOKES, of 62, Chancery Lane, London, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in apparatus for cutting, grinding and finishing marble and other similar materials." —A communication to him from abroad by James W. Maloy, of Boston, in the County of Suffolk, and State of Massachusetts, United States of America. <i>Letters Patent sealed.</i>
WHITE. 15th August 1866.	2093. HENRY BURT WHITE, of Poole, in the County of Dorset, Smith, for an invention for—"Improvements in apparatus for detaching ships' boats." <i>Provisional protection only.</i>
FLEET. PAYNE. ROCK. 15th August 1866.	2094. THOMAS FLEET, of the Crown Boiler and Railway Bridge Works, Swan Village, in the Parish of West Bromwich, in the County of Stafford, WILLIAM PAYNE, of Birmingham, in the County of Warwick, Engineer, and FREDERICK ROCK, of Swan Village, aforesaid, Engineer, for an invention for—"Certain improvements in self-acting fixed and repeating portable means for signalling on railways." <i>Provisional protection only.</i>
WEBSTER. 15th August 1866.	2095. JAMES WEBSTER, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in coating and recovering metals from chlorides and other solutions of metals." <i>Letters Patent sealed.</i>
BROWN. 15th August 1866.	2096. CHARLES BROWN, of 43, Mark Lane, in the City of London, Gas Engineer, for an invention for—"A new or improved apparatus for consuming smoke from gas and other lamps." <i>Provisional protection only.</i>
HOFFMAN. WILSON. 15th August 1866.	2097. JOHN WILLIAM HOFFMAN, Gentleman, of Birmingham, in the County of Warwick, and GEORGE ROWE WILSON, India-rubber Manufacturer, of the same place, for an invention for—"Improvements in communication between the guard and passengers or any other persons in a railway carriage or train." <i>Provisional protection only.</i>
HOFFMAN. WILSON. 15th August 1866.	2098. JOHN WILLIAM HOFFMAN, Gentleman, of Birmingham, in the County of Warwick, and GEORGE ROWE WILSON, India-rubber Manufacturer, of the same place, for an invention for—"A pickle piercer." <i>Provisional protection only.</i>
HOFFMAN. WILSON. 15th August 1866.	2099. JOHN WILLIAM HOFFMAN, Gentleman, of Birmingham, in the County of Warwick, and GEORGE ROWE WILSON, India-rubber Manufacturer, of the same place, for an invention for—"Improvements in kites." <i>Provisional protection only.</i>
SHAW. CONNELL. 15th August 1866.	2100. WILLIAM SHAW, of Hyson Green Works, Nottingham, Elastic Web Manufacturer, and JAMES CONNELL, of Burton Street, Nottingham, Designer and Draughtsman, for an invention for—"Improvements in the manufacture of elastic and other fabrics." <i>Letters Patent sealed.</i>
CAMERON. 15th August 1866.	2101. JOHN CAMERON, of Mount Pleasant, Barrow in Furness, in the County of Lancaster, Analytical Chemist, for an invention for—"Improvements in the manufacture of iron and steel." <i>Letters Patent sealed.</i>
COOPER. 15th August 1866.	2102. JOHN COOPER, of Ortzen Street, Nottingham, for an invention for—"Improvements in battens." <i>Provisional protection only.</i>

BONNEVILLE. 16th August 1866.	2103. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of the wheels of carriages for conveying coals and other minerals in the working of mines."— <i>A communication from Etienne Pagat, a person residing at St. Etienne, in the Empire of France, aforesaid.</i> <i>Provisional protection only.</i>
CLARK. 16th August 1866.	2104. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in rudders for ships and other water craft."— <i>A communication to him from abroad by William Lyman Wetmore and Nicholas David Le Pelley, both of Cleveland, Cuyahoga County, State of Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
LAKE. 16th August 1866.	2105. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved heating apparatus."— <i>A communication to him from abroad by Sidney Smith, of Greenfield, Massachusetts, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
GIBSON. 16th August 1866.	2106. WILLIAM COLVILLE GIBSON, of Newcastle-on-Tyne, for an invention for—"A new or improved method of protecting labels from injury." <i>Letters Patent sealed.</i>
KÜHNE. 16th August 1866.	2107. ADOLPHE KÜHNE, of 21, Norfolk Street, London, for an invention for—"Improvements in the purification of water, and in the disinfection and preservation of putrescent and putrescible matters."— <i>A communication to him from abroad by Dr. Willy Kühne, of Berlin, in the Kingdom of Prussia.</i> <i>Provisional protection only.</i>
SMITH. 16th August 1866.	2108. WILLIAM SMITH, of Kettering, in the County of Northampton, Agricultural Implement Maker, for an invention for—"An improvement applicable to reaping-machines." <i>Letters Patent sealed.</i>
ROLLS. 16th August 1866.	2109. DUDLEY ROLLS, of 9 and 10, Bennets Hill, Doctors Commons, and 218, Upper Thames Street, in the City of London, for an invention for—"Improvements in the manufacture of envelopes and of paper for making envelopes." <i>Provisional protection only.</i>
PAYNE. 16th August 1866.	2110. GEORGE PAYNE, of Belmont Works, Battersea, in the County of Surrey, for an invention for—"Improvements in treating fatty and oily matters." <i>Letters Patent sealed.</i>
HOLLY. 16th August 1866.	2111. JOHN HOLLY, of Regent Street North, Blackwall, in the County of Middlesex, for an invention for—"Improvements in railway brakes." <i>Letters Patent sealed.</i>
WOOD. 17th August 1866.	2112. AMOS LAWRENCE WOOD, now residing at the Castle and Falcon Hotel, Aldersgate Street, in the City of London, for an invention for—"Certain new and useful improvements in sewing-machines."— <i>A communication to him from abroad by William Chicken, residing at Chelsea, Suffolk County, in the United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
TRANTER. 17th August 1866.	2113. WILLIAM TRANTER, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in fire-arms." <i>Letters Patent sealed.</i>
HUGHES. 17th August 1866.	2114. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"The application of chlorine for the condensation of nitrous gas, and improvements in the apparatus connected therewith."— <i>A communication to him from abroad by Charles Large, of Lyons, in the Empire of France.</i> <i>Provisional protection only.</i>
PARAF. 17th August 1866.	2115. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in the use and application of an inorganic glyceric ether." <i>Letters Patent sealed.</i>
CLARK. 17th August 1866.	2116. JAMES CLARK, of Newton Heath, Manchester, in the County of Lancaster, India-rubber Manufacturer, for an invention for—"Improvements in rails for railways." <i>Provisional protection NOT granted.</i>

NEWTON. 17th August 1866.	2117. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of bale fastening."— <i>A communication to him from abroad by Hazard Knowles, of New York City, and Henry Anwyl Jones, of Brooklyn, both in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
JOHNSON. 17th August 1866.	2118. JOHN HENRY JOHNSON, of 47, Lincoln's Inn, Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved stuffing for mattresses, chair seats and other like purposes."— <i>A communication to him from abroad by Henry Almanzor Alden, of Matteawan, Dutchess County, New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
CLARK. 17th August 1866.	2119. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in puddling furnaces."— <i>A communication to him from abroad by Christopher de Graff Baker, Jacob Harlan and Joseph Bell, all of Wheeling, Ohio County, State of West Virginia, United States of America.</i> <i>Letters Patent sealed.</i>
BERHARD. 17th August 1866.	2120. ALEXANDER BERHARD, of No. 55, Upper Berkeley Street, Portman Square, in the County of Middlesex, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection only.</i>
STEVENS. 18th August 1866.	2121. EBENEZER STEVENS, of No. 154, Barnsbury Road, in the County of Middlesex, for an invention for—"Improvements in kitchen ranges, ovens and steamers." <i>Provisional protection only.</i>
WEATHERDON. 18th August 1866.	2122. BALDWIN FULFORD WEATHERDON, of 77, Chancery Lane, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"An improved buckle."— <i>A communication to him from abroad by Charles Nivert, of Rue Croix des Petits Champs, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
NEWTON. 18th August 1866.	2123. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for saving life and property in cases of shipwreck."— <i>A communication to him from abroad by François Frédéric de Clossmann, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
SCOTT. 18th August 1866.	2124. ROBERT ANTHONY EDWARDS SCOTT, of Lewisham, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements in the manufacture of hollow projectiles." <i>Letters Patent sealed.</i>
MOORE. 18th August 1866.	2125. GEORGE EDWARD MOORE, of Birmingham, in the County of Warwick, Metal Dealer, for an invention for—"Improvements in apparatus for filtering and purifying water and other fluids." <i>Provisional protection only.</i>
ABRAHAM. 18th August 1866.	2126. JOHN ABRAHAM, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in the manufacture of central-fire cartridges for breech-loading fire-arms." <i>Provisional protection only.</i>
VARLEY. 18th August 1866.	2127. JOHN VARLEY, of Bolton, in the County of Lancaster, for an invention for—"Improvements in steam-engines." <i>Letters Patent sealed.</i>
MORTIMER. 18th August 1866.	2128. SAMUEL MORTIMER, of Bradford in the County of York, Machine Maker, for an invention for—"Improvements in machinery or apparatus for combing wool or other fibrous substances." <i>Letter Patent sealed.</i>
BLOCKEY. HERVEY. 18th August 1866.	2129. JOHN SANDERS BLOCKEY, of Leeds, in the County of York, Starch Manufacturer, and JAMES HERVEY, of Bradford, in the aforesaid County of York, Accountant, for an invention for—"Improved machinery or apparatus for the manufacture of paper bags." <i>Letters Patent sealed.</i>
HENDERSON. 20th August 1866.	2130. THOMAS HENDERSON, of Millbank Row, Westminster, in the County of Middlesex, Corn Merchant, for an invention for—"Improvements in the material used for beds of horses and other animals." <i>Provisional protection only.</i>
PLATT. HARTLEY. 20th August 1866.	2131. SAMUEL RADCLIFFE PLATT, of Oldham, in the County of Lancaster, Machinist, and EDMUND HARTLEY, of the same place, Machinist, for an invention for—"Improvements in slubbing and roving frames, a modification of which is applicable to winding and throstle frames." <i>Letters Patent sealed.</i>

- GREENWOOD.**
20th August 1866. 2132. WILLIAM GREENWOOD, of Heights Mill, Owl Lane, in the Township of Ossett, in the West Riding of the County of York, Extractor and Flock Dealer, for an invention for—"Improvements in the manufacture of flocks."
Provisional protection only.
- WELDON.**
20th August 1866. 2133. WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"Improvements in the construction of ordnance, partly applicable also to other purposes."
Letters Patent sealed.
- BATHOE.**
20th August 1866. 2134. CHARLES BATHOE, of 28, York Place, Portman Square, at present residing at the Great Eastern Hotel, Harwich, for an invention for—"An improved method of and apparatus for securing or protecting corks or stoppers in bottles and other similar vessels."
Provisional protection only.
- DARBY.**
20th August 1866. 2135. JOHN DARBY, of No. 7, Riding House Street, in the Parish of Saint Marylebone, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in fire-arms of all calibre, and for the conversion of muzzle-loading guns to breech-loading guns."
Provisional protection only.
- TAYLOR.**
20th August 1866. 2136. WILLIAM TAYLOR, of Bridge Street, Driffeld, in the County of York, for an invention for—"Improvements in sewing-machines."
Letters Patent sealed.
- JOHNSON.**
20th August 1866. 2137. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in obtaining motive-power."—*A communication to him from abroad by Jean Baptiste Dubreuil and Camille Bernard, of Paris, in the Empire of France.*
Provisional protection only.
- HASELTINE.**
20th August 1866. 2138. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved inking apparatus for printing in colors."—*A communication to him from abroad by John Knox Lowe, of Cleveland, Ohio, United States of America.*
Complete specification; Letters Patent sealed.
- SCOTT.**
20th August 1866. 2139. ROBERT ANTHONY EDWARDS SCOTT, of Lewisham, in the County of Kent, Commander in the Royal Navy, for an invention for—"An improved method of or apparatus for manœuvring guns."
Letters Patent sealed.
- MURPHY.**
21st August 1866. 2140. JOHN MURPHY, of New York City, in the State of New York, in the United States of America, for an invention for—"Improvements in the construction of springs suitable for railway carriages and for various other uses."
Complete specification; Letters Patent sealed.
- WRIGHT.**
21st August 1866. 2141. HENRY BANKS WRIGHT, of Shelton, in the County of Nottingham, Gentleman, for an invention for—"Improvements in laying and sustaining in position telegraph cables."
Letters Patent sealed.
- GEDGE.**
21st August 1866. 2142. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved portable mill, parts of which are applicable to mill stones generally."—*A communication to him from abroad by François Cailleaux, of Barjonville, near Chartres, France.*
Provisional protection only.
- ISHERWOOD.**
WARRY.
21st August 1866. 2143. JAMES CLARENDON RAMSBOTTOM ISHERWOOD, of Kensington, in the County of Middlesex, Officer in Her Majesty's 45th Regiment, and ROBERT WARRY, of Chatham, in the County of Kent, Armourer Serjeant, of the 3rd Depot Battalion, for an invention for—"Improvements in breech-loading fire-arms and in cartridges for the same."
Letters Patent sealed.
- NEWTON.**
21st August 1866. 2144. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for making nails."—*A communication to him from abroad by the Excelsior Nail Company (Incorporated), of Providence, in the State of Rhode Island, United States of America.*
Letters Patent sealed.
- NEWTON.**
21st August 1866. 2145. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the mode of and apparatus for the distillation, rectification and disinfection of mineral or vegetable oils, applicable also to the purification and rectification of fatty and other products of such oils."—*A communication to him from abroad by Jean Baptiste Lahore, of Rue St. Sebastien, Paris, in the Empire of France.*
Provisional protection only.

WHITWORTH. 21st August 1866.	2146. JOSEPH WHITWORTH, of Manchester, Engineer, for an invention for—"Improvements in cartridges for ordnance." <i>Letters Patent sealed.</i>
NIBBS. 22nd August 1866.	2147. JAMES SYSON NIBBS, of the Lozells, Aston Manor, in the County of Warwick, Lamp Manufacturer, for an invention for—"Improvements in lamps for burning a combination of mineral and vegetable spirits." <i>Letters Patent sealed.</i>
WEILD. 22nd August 1866.	2148. WILLIAM WEILD, of the City of Manchester, and County of Lancaster, Engineer and Tool Maker, for an invention for—"Improvements in treating carriage or Irish moss, sea-weed and like plants, to reduce them into a state of powder or meal, and in arrangements and apparatus to be used for the purpose." <i>Provisional protection only.</i>
Longbottom. 22nd August 1866.	2149. JOHN Longbottom, of the Belgrave Foundry, Leeds, in the West Riding of the County of York, Engineer, for an invention for—"New or improved modes of ornamenting kampakaon, linoleum, kamptulicon, enamelled india-rubber floorcloths and other similar articles." <i>Letters Patent sealed.</i>
WAPPENSTEIN. 22nd August 1866.	2150. RUDOLPH WAPPENSTEIN, of Albert Street, Kennington Road, in the County of Surrey, for an invention for—"An improved carriage for railways and overhead railways by the use of which turntables are dispensed with." <i>Provisional protection only.</i>
HYDE. 22nd August 1866.	2151. JOHN MOORE HYDE, of Greenwich, in the County of Kent, Ship Builder, for an invention for—"A new or improved method of constructing armour plated ships and vessels." <i>Letters Patent sealed.</i>
MINNS. 22nd August 1866.	2152. HENRY ROYALL MINNS, of Bristol, in the County of Somerset, Locksmith, for an invention for—"Improvements in fire and thief proof safes." <i>Letters Patent sealed.</i>
CARO. 22nd August 1866.	2153. HEINRICH CARO, of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in the preparation of colouring matters." <i>Provisional protection only.</i>
HOWARD. 22nd August 1866.	2154. FREDERICK HOWARD, of Bedford, in the County of Bedford, Agricultural Implement Maker, for an invention for—"An improved construction of self-raking reaper."— <i>A communication to him from abroad by James Shorkley Marsh, of Lewisburg, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
TONGUE. 22nd August 1866.	2155. WILLIAM TONGUE, of Wakefield, in the County of York, Engineer, for an invention for—"Improvements in machinery for preparing, straightening and combining fibrous materials." <i>Letters Patent sealed.</i>
HASELTINE. 22nd August 1866.	2156. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process for bleaching with the aid of hydrostatic and pneumatic pressure, conjointly or separately, wood, straw and other fibrous material, for the manufacture of paper pulp, and for bleaching flax, hemp, thread, yarns, felts, cloths and other fibrous and textile materials."— <i>A communication to him from abroad by Henry Jones and Duncan Farquharson, both of Rochester, and Isaac Cowles Colton, of Buffalo, all in the State of New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
CARTER. 22nd August 1866.	2157. GEORGE CARTER, of Mottingham Lodge, near Eltham, in the County of Kent, Gentleman, for an invention for—"Improvements in propelling ships and other navigable vessels." <i>Letters Patent sealed.</i>
TWEDDELL. 23rd August 1866.	2158. RALPH HART TWEDDELL, of Sunderland, Engineer, for an invention for—"Improvements in punching and rivetting machines." <i>Provisional protection only.</i>
MAIN. 23rd August 1866.	2159. STEPHEN AMOS MAIN, of Morley's Hotel, Strand, in the County of Middlesex, for an invention for—"Improvements in breech-loading and other fire-arms and in bayonets for the same."— <i>A communication to him from abroad by Charles Howard, a person resident at the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
LIVESEY. EDWARDS. 23rd August 1866.	2160. JAMES LIVESEY, and JOHN EDWARDS, of No. 10, Park Street, Westminster, for an invention for—"Improvements in the permanent way of railways, and signals for working the same." <i>Letters Patent sealed.</i>

COFFEY. 23rd August 1866.	2161. JOHN AMBROSE COFFEY, of Number 32, Great Saint Helen's, in the City of London, Consulting Engineer, for an invention for—"Improvements in self-acting steam and liquid safety gauges." <i>Letters Patent sealed and specification filed by order.</i>
NEWBOLD. 23rd August 1866.	2162. THOMAS WILLIAM HILL NEWBOLD, of Birmingham, in the County of Warwick, Dealer in Straw Bonnets, for an invention for—"Improvements in the manufacture of cornices, cornice pole ends, curtain bands and curtain pins." <i>Provisional protection only.</i>
HARRISON. 23rd August 1866.	2163. WILLIAM HARRISON, of Birkenshaw, near Leeds, in the County of York, for an invention for—"Improved apparatus to facilitate communication between the passengers and guards or drivers of railway trains." <i>Letters Patent sealed.</i>
GERARD. 23rd August 1866.	2164. ARISTIDE GERARD, of No. 15, Avenue Matignon, Paris, in the Empire of France, Engineer, for an invention for—"Improvements in obtaining motive-power and in the apparatus employed therefor." <i>Provisional protection only.</i>
BAILLEUL. 23rd August 1866.	2165. PIERRE VICTOR BAILLEUL, of 7, Rue Leregratier, Paris, in the Empire of France, Watchmaker, for an invention for—"An improved reaping-machine." <i>Provisional protection only.</i>
ALLEN. 23rd August 1866.	2166. THOMAS ALLEN, of Hill Street, Finsbury, in the County of Middlesex, Splint Cutter, for an invention for—"Improvements in machinery or apparatus for cutting splints for making matches." <i>Letters Patent sealed.</i>
RIMMEL. 23rd August 1866.	2167. EUGENE RIMMEL, of No. 96, Strand, in the City of Westminster, Perfumer, for an invention for—"Improvements in apparatus for raising liquids, particularly applicable to fountains." <i>Letters Patent sealed.</i>
WELCH. 23rd August 1866.	2168. WILLIAM WELCH, of King Street, Southsea, in the County of Southampton, for an invention for—"Improvements in the manufacture of cement compositions, and in the method of applying and securing plastic cements to iron and other surfaces." <i>Letters Patent sealed.</i>
LONG. 23rd August 1866.	2169. ALFRED LONG, of 3, Aylesbury Terrace, Walworth, in the County of Surrey, for an invention for—"Improvements in fountains." <i>Provisional protection only.</i>
GEDGE. 23rd August 1866.	2170. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved saw specially adapted for forest use, and improved saw teeth applicable to saws generally."— <i>A communication to him from abroad by Pierre Flamm, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Complete specification; Letters Patents sealed.</i>
JOHNSON. 23rd August 1866.	2171. JOB JOHNSON, of Brooklyn, in the State of New York, United States of America, for an invention for—"An improvement in submarine rakes for gathering oysters or other articles." <i>Letters Patent sealed.</i>
NEWTON. 23rd August 1866.	2172. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of preventing eggs of all kinds from spoiling."— <i>A communication to him from abroad by Jesse Kersey Marsh, of Terre Haute, in the State of Indiana, United States of America.</i> <i>Provisional protection only.</i>
BAYNE. 23rd August 1866.	2173. WALTER BAYNE, of Torquay, in the County of Devon, for an invention for—"An improved hat stretcher." <i>Provisional protection only.</i>
FELL. 24th August 1866.	2174. JOHN BARRACLOUGH FELL, of Spark Bridge, near Newton-in-Cartmel, in the County of Lancaster, Engineer, for an invention for—"Improvements in or applicable to locomotive engines and carriages, adapted more particularly for use on railways having steep inclines, but which may be also used upon railways of ordinary gradients." <i>Letters Patent sealed.</i>
TONGE. 24th August 1866.	2175. RICHARD TONGE, of the City of Manchester, Manufacturer, for an invention for—"Improvements in machinery for folding fabrics and inserting cardboard or other substances between the folds." <i>Letters Patent sealed.</i>
WREN. HOPKINSON. 24th August 1866.	2176. HENRY WREN, and JOHN HOPKINSON, both of the City of Manchester, Engineers, for an invention for—"Improvements in machinery for winding yarn and thread." <i>Letters Patent sealed.</i>

POYSER. 24th August 1866.	2177. JOSIAH THOMAS POYSER, of Burton-on-Trent, in the County of Stafford, for an invention for—"Improvements in machinery or apparatus employed in dressing, screening and separating grain, and for other similar purposes." <i>Letters Patent sealed.</i>
BOOTH. 24th August 1866.	2178. JOHN BOOTH, of Reddish, in the County of Lancaster, Mechanic, for an invention for—"Certain improvements in metallic pistons." <i>Letters Patent sealed and specification filed by order.</i>
DE BERENGER. 24th August 1866.	2179. PHILIP ARTHUR DE BERENGER, of Clifton Gardens, Maida Hill, in the County of Middlesex, for an invention for—"Improvements in lime and cement kilns." <i>Letters Patent sealed.</i>
DANCHELL. 24th August 1866.	2180. FREDERICK HAHN DANCHELL, C.E., of Horwich, Lancashire, for an invention for—"Improvements in the manufacture of floor cloths and coverings and similar called fabrics, and also of picture frames, articles of furniture and ornaments thereon."— <i>A communication to him from abroad by Henry Ludwig Danchell, of Copenhagen, in the Kingdom of Denmark.</i> <i>Provisional protection only.</i>
NEWTON. 24th August 1866.	2181. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in organs, pianofortes and melodeons, which improvements are also applicable to other musical instruments having or employing key-boards."— <i>A communication to him from abroad by George Byron Kirkham, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BOUSFIELD. 24th August 1866.	2182. EDWARD TENNEY BOUSFIELD, of Bedford, in the County of Bedford, Engineer, for an invention for—"Improvements in the construction of reaping and mowing machines." <i>Provisional protection only.</i>
JENNINGS. 24th August 1866.	2183. JOSIAH GEORGE JENNINGS, of Palace Wharf, Stangate, in the County of Surrey, Sanitary Engineer, for an invention for—"Improvements in water-closets, urinals and taps." <i>Letters Patent sealed.</i>
GREEN. 25th August 1866.	2184. EDWARD GREEN, of Wakefield, in the County of York, Engineer, for an invention for—"Improvements in gearing or apparatus for driving scrapers employed in cleansing the flues and tubes of boilers and heating apparatus." <i>Letters Patent sealed.</i>
OWEN. 25th August 1866.	2185. WILLIAM LANCASTER OWEN, of Newport, in the County of Monmouth, for an invention for—"Improvements in apparatus for working switches and signals of railways." <i>Letters Patent sealed.</i>
RICHARDSON. 25th August 1866.	2186. CHARLES RICHARDSON, of No. 75, Gracechurch Street, in the City of London, Engineer, for an invention for—"Improvements in looms for weaving." <i>Complete specification: Letters Patent sealed.</i>
NEWTON. 25th August 1866.	2187. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Thomas Jefferson Vail, of Hartford, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
LITTLE. 25th August 1866.	2188. GEORGE LITTLE, of Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in the manufacture of 'tin drums' or rollers used in machinery for preparing and spinning fibrous materials, applicable also to the manufacture of other drums, rollers or tubes of metal, and in machinery or apparatus connected therewith." <i>Letters Patent sealed.</i>
GAINSFORD. 25th August 1866.	2189. WILLIAM DUNN GAINSFORD, of Darnall Hall, Sheffield, in the County of York, for an invention for—"Improvements in railways and in engines for use thereon." <i>Provisional protection only.</i>
BOUSFIELD. 25th August 1866.	2190. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in combing wool and other fibre."— <i>A communication to him from abroad by Callen Whipple, of Cranston, in the County of Providence, Rhode Island, and Elisha Johnson, of Wethersfield, in the County of Hartford, State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>

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| <p>YORK.
25th August 1866.</p> | <p>2191. JOHN OLIVER YORK, of 2, Royal Exchange Buildings, in the City of London, for an invention for—"Improvements in ships or vessels."
<i>Letters Patent sealed.</i></p> |
| <p>HUNTER.
COOKE.
25th August 1866.</p> | <p>2192. GEORGE HUNTER, of Maentwrog, Merionethshire, and WILLIAM FOTHERGILL COOKE, of Aberia, near Carnarvon, North Wales, for an invention for—"Improvements in machinery and tools for cutting slate, stone, marble and other minerals."
<i>Letters Patent sealed.</i></p> |
| <p>PLIMSOLL.
25th August 1866.</p> | <p>2193. SAMUEL PLIMSOLL, of Whiteley Wood Hall, Sheffield, in the County of York, Gentleman, for an invention for—"Improvements in the means and apparatus for facilitating and perfecting the unloading of coals and other goods from railway waggons."
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
25th August 1866.</p> | <p>2194. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in felting hats and other felted fabrics, and in apparatus for the same."—<i>A communication to him from abroad by Charles Mossant, Merchant, of 29, Boulevard St. Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> |
| <p>POLLOCK.
25th August 1866.</p> | <p>2195. JULIUS FREDERICK MOORE POLLOCK, of Withington, near Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for pressing bricks, tiles, corbels or other plastic work."
<i>Letters Patent sealed.</i></p> |
| <p>BROOKS.
25th August 1866.</p> | <p>2196. EDGAR BROOKS, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms, and in cartridges for breech-loading fire-arms."
<i>Provisional protection only.</i></p> |
| <p>McFARLAND.
25th August 1866.</p> | <p>2197. COREY McFARLAND, of Birmingham, County of Warwick, Engineer, for an invention for—"An improved friction clutch for starting and stopping machinery."—<i>A communication to him from abroad by James Brown, of Pawtucket, Rhode Island, United States of America.</i>
<i>Provisional protection only.</i></p> |
| <p>HASELTINE.
25th August 1866.</p> | <p>2198. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in churns."—<i>A communication to him from abroad by Sylvester Franklin Schoonmaker, of the City, County and State of New York, United States of America.</i>
<i>Provisional protection only.</i></p> |
| <p>PORTER.
25th August 1866.</p> | <p>2199. CHARLES TALBOT PORTER, of No. 12, Winfield Terrace, Old Trafford, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-engines."—<i>The result partly of a communication made to him from abroad by John Franklin Allen, of New York City, United States of America, and partly of invention and discovery made by him.</i>
<i>Letters Patent sealed.</i></p> |
| <p>LAMB.
27th August 1866.</p> | <p>2200. EPHRAIM LAMB, of 54, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the construction of apparatus for cleaning and polishing boots and shoes, such apparatus being also applicable to other purposes."
<i>Provisional protection only.</i></p> |
| <p>PIERCE.
27th August 1866.</p> | <p>2201. WILLIAM PIERCE, of Over Darwen, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Certain improvements in the method of purifying gas, whereby its illuminating properties are improved, and in the apparatus connected therewith."
<i>Provisional protection only.</i></p> |
| <p>NORTHROP.
27th August 1866.</p> | <p>2202. JONATHAN NORTHROP, of Thornton, near Bradford, in the County of York, for an invention for—"Apparatus to be used in the fringing and trimming of shawls, mantles and other fabrics requiring fringes or trimmings."
<i>Provisional protection only.</i></p> |
| <p>BROOMAN.
27th August 1866.</p> | <p>2203. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in or connected with carriage breaks."—<i>A communication to him from abroad by Jean Pierre Haffner and Louis Désiré Guillet, both of Paris, France.</i>
<i>Provisional protection only.</i></p> |

DUPRENÉ. 27th August 1866.	2204. HECTOR AUGUSTE DUPRENÉ, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"Improvements in the manufacture of beer and other alcoholic liquids, and in the apparatus employed therefor."— <i>A communication from Monsieur Charles Tellier, a person resident at No. 21, Rue Boulainvilliers, Passy, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
KRUTZSCH. 27th August 1866.	2205. WILLIAM KRUTZSCH, of 34, Copley Street, Stepney Green, London, E., Engineer, for an invention for—"Improvements in the construction and combination of breech-loading and repeating fire-arms and ordnance, and in the cartridges for use in the same." <i>Letters Patent sealed.</i>
DAVIS. 27th August 1866.	2206. The Reverend THOMAS DAVIS, of Roundhay, in the County of York, Clerk, for an invention for—"An improved method of or apparatus for ventilating dwelling houses or other buildings." <i>Letters Patent sealed.</i>
FARMER. 27th August 1866.	2207. JAMES FARMER, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in apparatus for regulating the flow of steam into steam-engines, by what are commonly called expansion cut off valves." <i>Provisional protection only.</i>
PROCTOR. 28th August 1866.	2208. JAMES PROCTOR, of Kennington Grove, Upper Kennington, in the County of Surrey, for an invention for—"Improvements in chimney pots or terminals." <i>Provisional protection only.</i>
BARBER. BARBER. 28th August 1866.	2209. THOMAS WALTER BARBER, and WILLIAM BARBER, of 111, Lower Thames Street, London, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
GOULD. 28th August 1866.	2210. WILLIAM GOULD, Postmaster of Barnsbury Post Office, Liverpool Road, Islington, in the County of Middlesex, for an invention for—"A new or improved mode of reflecting various coloured lights and shades upon stereoscopic and other objects, for producing different effects thereon." <i>Letters Patent sealed.</i>
DELAGARDE. 28th August 1866.	2211. LÉOPOLD DELAGARDE, of No. 55, Rue Neuve des Petits Champs, Paris, in the Empire of France, Stationer, for an invention for—"Certain improvements in binding books." <i>Letters Patent sealed.</i>
BUCKTON. 28th August 1866.	2212. RICHARD BUCKTON, of the Hunslet Linen Works, near Leeds, in the County of York, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
FOSTER. 28th August 1866.	2213. JOHN FOSTER the younger, of the firm of John Foster and Sons, of Black Dike Mills, Queensbury, near Bradford, in the County of York, Alpaca, Mohair and Worsted Spinners and Manufacturers, for an invention for—"Improvements in machinery for the manufacture of spool tubes and cartridge cases." <i>Letters Patent sealed.</i>
BOVILL. 28th August 1866.	2214. GEORGE HINTON BOVILL, of 24, Duke Street, Westminster, Civil Engineer, for an invention for—"Improvements in the manufacture of rails for railways." <i>Letters Patent sealed.</i>
NEWTON. 28th August 1866.	2215. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of preventing oxidation of lead balls in fixed ammunition."— <i>A communication to him from abroad by Barton Howard Jenks, of Bridesburgh, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
MORGAN. 28th August 1866.	2216. HENRY MORGAN, of Birmingham, in the County of Warwick, Joiner, for an invention for—"Improvements in pulleys for hanging balance sashes." <i>Provisional protection only.</i>
HUDSON. 28th August 1866.	2217. RICHARD HARVEY HUDSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements for preventing the fouling by and clearing ships' propellers from ropes." <i>Letters Patent sealed.</i>
IRVINE. 28th August 1866.	2218. ROBERT IRVINE, of Magdalen Bridge, near Musselborough, in the County of Mid-Lothian, North Britain, for an invention for—"Improvements in treating and purifying water." <i>Letters Patent sealed.</i>

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| <p>JOHNSON.
28th August 1866.</p> | <p>2219. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in railway breaks, parts of which improvements are applicable as shaft couplings."—<i>A communication to him from abroad by Victor Amédée Gellée, of Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
28th August 1866.</p> | <p>2220. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in perfecting or ornamenting lace and other like fabrics, and also in imitations of the same."—<i>A communication to him from abroad by Auguste Pascal, Lace Manufacturer, and Félix Varenne, Merchant, both of 29, Boulevard St. Martin, Paris.</i>
<i>Provisional protection NOT granted.</i></p> |
| <p>CARRIER.
COPELAND.
28th August 1866.</p> | <p>2221. HENRY CARRIER, of Ilkeston, in the County of Derby, Lace Manufacturer, and WILLIAM VICKERS COPELAND, of the Town and County of the Town of Nottingham, Lace Manufacturer, for an invention for—"Improvements in the manufacture or production of looped fabrics made on warp lace machines, and in the machinery or apparatus employed therein." <i>Provisional protection only.</i></p> |
| <p>ELEY.
29th August 1866.</p> | <p>2222. WILLIAM THOMAS ELEY, of the firm of Eley Brothers, of Gray's Inn Road, in the County of Middlesex, for an invention for—"Improvements in machinery employed in the manufacture of 'Boxer' or other central-fire cartridge cases." <i>Letters Patent sealed.</i></p> |
| <p>WHITBY.
29th August 1866.</p> | <p>2223. TIMOTHY WHITBY, of 156, York Road, Lambeth, in the County of Surrey, for an invention for—"Improvements in constructing vessels of war and other structures required to be rendered shot proof." <i>Letters Patent sealed.</i></p> |
| <p>HUGHES.
29th August 1866.</p> | <p>2224. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in repeating fire-arms."—<i>A communication to him from abroad by Oliver Fisher Winchester, of New Haven, United States of America.</i> <i>Letters Patent sealed.</i></p> |
| <p>DICKINSON.
29th August 1866.</p> | <p>2225. JOHN CHARLES DICKINSON, of Boston, in the County of Lincoln, Veterinary Surgeon, for an invention for—"An improved dipping mixture for sheep and lambs." <i>Provisional protection only.</i></p> |
| <p>RICHARDS.
GRINDLE.
29th August 1866.</p> | <p>2226. JOSEPH RICHARDS, of Birmingham, in the County of Warwick, Coach Axle Spring and Iron Work Manufacturer, and ROBERT GRINDLE, also of Birmingham, aforesaid, Commercial Representative of the said Joseph Richards, for an invention for—"An improved carriage axle for common roads, as also the clip for uniting the spring or springs to the same." <i>Letters Patent sealed.</i></p> |
| <p>TURNER.
SIDDON.
29th August 1866.</p> | <p>2227. THOMAS TURNER, junior, of Birmingham, in the County of Warwick, Gun Manufacturer, and WILLIAM SIDDON, junior, also of Birmingham, aforesaid, Gun Lock Maker, for an invention for—"An improved cartridge or cartridge case extractor for breech-loading guns." <i>Letters Patent sealed.</i></p> |
| <p>BROOKES.
29th August 1866.</p> | <p>2228. WILLIAM COLBORNE BROOKES, of 62, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in means or apparatus for balling wool and other fibres."—<i>A communication to him from abroad by Amédée Prouvost, Jean Baptiste Lefebvre and Henry Lefebvre, of Roubaix, in the Empire of France.</i> <i>Provisional protection only.</i></p> |
| <p>TONGUE.
29th August 1866.</p> | <p>2229. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in looms."—<i>A communication to him from abroad by Thomas Robjohn of the City, County and State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> |
| <p>DAVIS.
29th August 1866.</p> | <p>2230. JAMES DAVIS, of 5, Sussex Road, Southsea, in the County of Southampton, Civil Engineer, for an invention for—"An improved method of treating limestone, and applying the products for purifying and rendering water palatable, and for imparting a briskness to other beverages, as also for utilizing the substances to the various purposes of the builder." <i>Letters Patent sealed.</i></p> |

NEWTON. 29th August 1866.	2231. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Barton Howard Jenks, of Bridesburgh, State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
LOEBL. PICK. 29th August 1866.	2232. JOSEF LOEBL, and IGNAC PICK, both of Godfrey's Court, Milk Street, in the City of London, Manufacturers, for an invention for—"Improvements in articles consisting of muffs combined with bags, pockets or similar receptacles." <i>Letters Patent sealed.</i>
SIMON. 30th August 1866.	2233. SAMUEL BRUCKSHAW SIMON, of Castle Street, Falcon Square, in the City of London, for an invention for—"Improvements in lifting jacks."— <i>A communication to him from abroad by Augustus Bryant Childs, of Rochester, in the State of New York, and United States of America.</i> <i>Provisional protection only.</i>
CALNON. 30th August 1866.	2234. DENIS CALNON, of Commercial Road, in the Parish of Saint George's in the East, in the County of Middlesex, for an invention for—"An improved crank for single or double purchase crabs or winches." <i>Provisional protection only.</i>
CLAIRMONTE. 30th August 1866.	2235. ADOLPHUS JULIAN CLAIRMONTE, of No. 7, Mincing Lane, in the City of London, for an invention for—"The elastic tubular india-rubber air chambered pannels." <i>Provisional protection NOT granted.</i>
MELLOR. 30th August 1866.	2236. JAMES MONTAGUE MELLOR, of No. 145, Broadway, in the City of New York, U. S. of America, Chemist, for an invention for—"Softening, disintegrating and bleaching vegetable fibres." <i>Letters Patent sealed.</i>
CLARK. 30th August 1866.	2237. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for propelling and steering vessels."— <i>A communication to him from abroad by Joseph Athanase Ganeval, Professor, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
GALL. 30th August 1866.	2238. THOMAS GALL, Manager to Jonathan Charnock, of Halifax, in the County of York, Builder and Contractor, for an invention for—"Improvements in machinery or apparatus for working stone, or cutting and working mouldings thereon." <i>Letters Patent sealed.</i>
DAGLISH. 30th August 1866.	2239. ROBERT DAGLISH, of Saint Helen's in the County of Lancaster, Engineer, for an invention for—"Improvements in steam generators." <i>Letters Patent sealed.</i>
JOHNSON. 30th August 1866.	2240. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved pavement for roads, streets and other thoroughfares."— <i>A communication to him from abroad by Charles Sebillé, of Nantes, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 30th August 1866.	2241. HENRY EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved process for treating and preserving beer and other fermented liquors."— <i>A communication to him from abroad by Eugene Velten, of Boulevard Beaumarchais, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
NEWTON. 30th August 1866.	2242. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for hulling and cleaning coffee and other berries or seeds."— <i>A communication to him from abroad by William Van Vleek Lidgerwood, a citizen of the United States, now Chargé des Affaires at Rio de Janeiro, in the Empire of Brazil.</i> <i>Letters Patent sealed.</i>
ALBINI. BRAENDLIN. 30th August 1866.	2243. AUGUSTO ALBINI, of Genoa, and also of No. 1, New Broad Street Buildings, in the City of London, Captain in the Italian Navy, and FRANCIS AUGUSTUS BRAENDLIN, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
ABEL. 31st August 1866.	2244. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in joints or connections for pipes."— <i>A communication to him from abroad by Anton Richter, of Königsaal, and Romuald Bozek, of Prague, both in the Empire of Austria.</i> <i>Letters Patent sealed.</i>

- DE LA GAUTRAYE. 31st August 1866. 2245. AUGUSTUS DE LA GAUTRAYE, Esquire, of 6A, Belvedere Road, Lambeth, for an invention for—"An improved method for the preservation of wood."—*A communication to him from abroad by Monsieur Manne (Anatole), Gentleman, resident at Paris, Rue des Saints-Pères, 47.* Provisional protection only.
- OWENS. 31st August 1866. 2246. JOHN OWENS, of Chadderton, in the County of Lancaster, Loom Manager, for an invention for—"Certain improvements in looms for weaving." Letters Patent sealed.
- NEWTON. 31st August 1866. 2247. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for boring boiler tube heads, drilling angle holes or cutting circular grooves in metallic substances."—*A communication to him from abroad by James Miller, of the City of New York, United States of America.* Letters Patent sealed.
- SCOTT. HALLOWELL. 31st August 1866. 2248. HENRY GEORGE SCOTT, of Leeds, in the County of York, Civil Engineer, and NATHAN HALLOWELL, of Greenhill, near Sheffield, in the County of Derby, Mechanical Engineer, for an invention for—"Improvements in valves for pumps, said improvements being also applicable to steam valves." Provisional protection only.
- GREENWOOD. 1st September 1866. 2249. JOHN OATES GREENWOOD, of Bank Foot Mills, Bradford, in the County of York, Manufacturer, for an invention for—"An improvement in certain textile fabrics." Provisional protection only.
- BOUSFIELD. 1st September 1866. 2250. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in machines for making eyelets."—*A communication to him from abroad by Thomas Garrick, a person resident at Providence, Rhode Island, in the United States of America.* Complete specification; Letters Patent sealed.
- BILLIOTTE. 1st September 1866. 2251. EDMOND VINCENT BILLIOTTE, of No. 18, Rue de l'Echiquier, Paris, in the Empire of France, Gentleman, for an invention for—"An improved needle case or holder."—*A communication from Jules Doderet, a person resident at No. 31, Rue d'Enghien, Paris.* Provisional protection only.
- LEBAUDY. 1st September 1866. 2252. ADOLPHE LEBAUDY, of 4, Spring Gardens, Charing Cross, in the City of Westminster, Gentleman, for an invention for—"An improved solder or composition for joining certain metals or uniting fractures in certain metals, and for similar uses."—*A communication to him from abroad by Charles Halot, of Brussels, in the Kingdom of Belgium, Engineer.* Provisional protection only.
- MICHAUD. 1st September 1866. 2253. PIERRE FRANÇOIS MICHAUD, of St. Julien des Landes, Vendée, in the Empire of France, at present residing in Nelson Square, Blackfriars, in the County of Surrey, for an invention for—"Improvements in weighing-machines." Provisional protection only.
- BAKER. 1st September 1866. 2254. JOHN BAKER, of Wisbech, in the County of Cambridgeshire, Agricultural Implement Maker, for an invention for—"Improvements in reaping-machines." Letters Patent sealed.
- VICKES. 3rd September 1866. 2255. SAMUEL VICKES, of Liverpool, in the County of Lancaster, Sugar Refiner, for an invention for—"An improved method of and apparatus for facilitating the moving of moulds and the draining of syrup from the sugar solutions and sugar in the said moulds, in the manufacture of sugar." Provisional protection only.
- HOSKING. 3rd September 1866. 2256. ALBERT WHITFORD HOSKING, of the City of Manchester, in the County of Lancaster, for an invention for—"An improved apparatus or detector for rendering safes secure from burglary." Letters Patent sealed.
- FROST. 3rd September 1866. 2257. RICHARD FROST, of Gravesend, in the County of Kent, for an invention for—"Improvements in means or apparatus to be employed in order to facilitate the teaching of writing and drawing." Letters Patent sealed.
- KNOWLES. 3rd September 1866. 2258. MARK KNOWLES, of the Walpole Street Iron Works, Blackburn, in the County of Lancashire, Machine Maker, for an invention for—"Certain improvements in looms for weaving carpets and other pile fabrics, part of which improvements are applicable to other looms for weaving fancy fabrics." Letters Patent sealed.
- CADDICK. 3rd September 1866. 2259. DAVID CADDICK, of Ebbw Vale, in the County of Monmouthshire, Furnace Builder, for an invention for—"Improvements in the construction and working of furnaces for puddling, balling, heating and melting metals, and for economizing the heat of such furnaces." Letters Patent sealed.

LAMB. MIDDLETON. 3rd September 1866.	2260. EPHRAIM LAMB, of 54, Chancery Lane, in the County of Middlesex, Gentleman, and SAMUEL MIDDLETON, of 44, Great Carter Lane, in the City of London, Shoe Manufacturer, for an invention for—"Improvements in fixing the soles and heels of boots and shoes." <i>Provisional protection only.</i>
BONNEVILLE. 3rd September 1866.	2261. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"A new and useful improvement for detaching boats from their davits."— <i>A communication from Thomas Huntington, a person resident at New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
BONNEVILLE. 3rd September 1866.	2262. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in apparatus to feed horses."— <i>A communication from Annet Amable Faure, a person residing at Rue de Bruxelles, Paris, in the Empire of France, aforesaid, Civil Engineer.</i> <i>Provisional protection only.</i>
BONNEVILLE. 3rd September 1866.	2263. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved smoke-consuming fire-place."— <i>A communication from Charles René Marcadier, a person residing at Tours, in the Empire of France, aforesaid, Gentleman.</i> <i>Provisional protection only.</i>
BONNEVILLE. 3rd September 1866.	2264. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"A new and useful improvement in hoop-skirts."— <i>A communication to him from abroad by Augustus James Colby, a person residing at New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
HADDAN. 3rd September 1866.	2265. JOHN COOPE HADDAN, of 14, Bessborough Gardens, Pimlico, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in carriages for field artillery." <i>Provisional protection only.</i>
BROOMAN. 3rd September 1866.	2266. CLINTON EDGCOMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"A new method of bleaching fibres and fabrics of vegetable origin."— <i>A communication to him from abroad by Cyprien Marié Tessié du Motay and Charles Raphael Marechal, both of Metz, France.</i> <i>Letters Patent sealed.</i>
RUSS. HAMMOND. HAMMOND. 3rd September 1866.	2267. EDWIN RUSS, HENRY HAMMOND, and EDWIN HAMMOND, all of Winchester, in the County of Hants, for an invention for—"Improvements in fire-arms." <i>Letters Patent sealed.</i>
CAMBRIDGE. 3rd September 1866.	2268. WILLIAM COLBORNE CAMBRIDGE, of Bristol, in the County of Gloucester, Agricultural Implement Maker, for an invention for—"Improvements in clod-crushers and press wheel rollers." <i>Provisional protection only.</i>
NELSON. 4th September 1866.	2269. EDWARD NELSON, of 13, Johnson's Place, Ranelagh Road, Thames Bank, in the County of Middlesex, Chemist, for an invention for—"Improvements in the mode of treating certain fibrous vegetable substances so as to render them suitable for the manufacture of textile and other fabrics." <i>Letters Patent sealed.</i>
WHITE. 4th September 1866.	2270. GEORGE WHITE, of 68, Queen Street, Cheapside, in the City of London, Patent Agent, for an invention for—"An improved rotary steam-engine."— <i>A communication to him from abroad by Messieurs Emile Sellier and Régis Fidèle Hermant, of 47, Rue des Tournelles, Paris, France.</i> <i>Complete specification; Letters Patent sealed.</i>
HOLMES. PERKINS. 4th September 1866.	2271. WILLIAM CARTWRIGHT HOLMES, and JNO. WM. PERKINS, of 56, Gracechurch Street, in the City of London, for an invention for—"Improvements in apparatus for the distillation of paraffine and petroleum or other hydrocarbon oils." <i>Provisional protection not granted.</i>
REEVES. 4th September 1866.	2272. CHARLES REEVES, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in cartridge case extractors for breech-loading fire-arms." <i>Letters Patent sealed.</i>

PARAF. WANKLYN. 4th September 1866.	2273. ALFRED PARAF, of the City of Manchester, in the County of Lancaster, Chemist, and JAMES ALFRED WANKLYN, of the City of London, Professor of Chemistry, for an invention for—"Improvements in the extraction of iodine and bromine from kelp." <i>Provisional protection only.</i>
BROWN. 4th September 1866.	2274. JAMES BRYCE BROWN, of 18, Cannon Street, and 148, Upper Thames Street, in the City of London, for an invention for—"Improvements in mowing-machines." <i>Letters Patent sealed.</i>
LOWRY. 4th September 1866.	2275. GEORGE LOWRY, of Salford, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for spinning flax and other like fibrous materials." <i>Letters Patent sealed.</i>
FARR. GREGORY. 4th September 1866.	2276. ENOCH FARR, of 40, Cavendish Street, Chorlton-upon-Medlock, Manchester, and ISAAC GREGORY, of Victoria Park, Manchester, both of the County of Lancaster, for an invention for—"Improvements in pianofortes." <i>Letters Patent sealed.</i>
SUGG. 5th September 1866.	2277. WILLIAM THOMAS SUGG, of Vincent Works, Vincent Street, in the City of Westminster, for an invention for—"Improvements in apparatus for regulating the supply of gas." <i>Letters Patent sealed.</i>
WEBB. 5th September 1866.	2278. THOMAS GEORGE WEBB, of Manchester, in the County of Lancaster, Glass Manufacturer, for an invention for—"Improvements in furnaces for the manufacture of glass, commonly called melting furnaces." <i>Letters Patent sealed.</i>
LEETCH. 5th September 1866.	2279. JAMES LEETCH, Gun Maker, of 19, New Church St., Paddington, London, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
WILSON. 5th September 1866.	2280. JAMES WILSON, of Royal Exchange Buildings, in the City of London, Civil Engineer, for an invention for—"Improvements in street gas lamps." <i>Provisional protection only.</i>
CETTI. 5th September 1866.	2281. CHARLES CETTI, of Dudley, in the County of Worcester, Upholsterer, for an invention for—"Improvements in the construction of the ceilings of buildings." <i>Provisional protection only.</i>
KNOX. 5th September 1866.	2282. HENRY KNOX, 9, Northampton Terrace, Compton Road, Islington, in the County of Middlesex, Merchant, for an invention for—"Signalling an alarm from railway carriages when in motion." <i>Provisional protection only.</i>
ROBINS. 5th September 1866.	2283. HENRY ROBINS, of 14, Surrey Street, Landport, in the County of Hants, for an invention for—"Improvements in sheathing iron ships and other floating bodies, and other iron structures subject to the action of sea and other waters." <i>Letters Patent sealed.</i>
VAUGHAN. 5th September 1866.	2284. REGINALD SAMUEL MORDAUNT VAUGHAN, of 54, Chancery Lane, in the County of Middlesex, for an invention for—"Improved apparatus for cleaning and polishing boots, shoes and knives." <i>Provisional protection only.</i>
NEWTON. 5th September 1866.	2285. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of electric clocks, and in the means employed in working the same."— <i>A communication to him from abroad by Ernest Van Bruyssel, of Brussels, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
EDWARDS. 6th September 1866.	2286. JOHN EDWARDS, of No. 10, Park Street, Westminster, for an invention for—"Improvements in the permanent way of railways." <i>Provisional protection NOT granted.</i>
BARDELL. POWELL. 6th September 1866.	2287. WILLIAM POOLE BARDELL, of Aston, near Birmingham, in the County of Warwick, Gun Finisher, and WILLIAM POWELL, of Aston, aforesaid, Gun Lock Maker, for an invention for—"Improvements in gun and pistol locks." <i>Letters Patent sealed.</i>
CUTHBERT. 6th September 1866.	2288. WILLIAM CUTHBERT, of Doncaster, in the County of York, Brass Finisher, for an invention for—"Improvements in steam whistl s." <i>Letters Patent sealed.</i>
SMITH. 6th September 1866.	2289. PEARSON SMITH, of Keighley, in the County of York, Machine Maker, for an invention for—"Improvements in the making of wool guard coverings of gill boxes for the preparing and drawing of wool, silk, mohair and other fibrous substances." <i>Provisional protection only.</i>

SELBY. 6th September 1866.	2290. WILLIAM SELBY, of Nottingham, Draughtsman, for an invention for—"Improvements in the manufacture of ornamental lace in twist lace machines." <i>Letters Patent sealed.</i>
PIMM. 6th September 1866.	2291. GEORGE PIMM, of the Upper Mills, South Street, Wandsworth, in the County of Surrey, for an invention for—"Improvements in ovens for baking." <i>Provisional protection only.</i>
BULLOUGH. 6th September 1866.	2292. JOHN BULLOUGH, of Accrington, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
FOSBERY. 6th September 1866.	2293. GEORGE VINCENT FOSBERY, V.C., a Captain in the Bengal Army, of Ladywell House, near Brixham, in the County of Devon, for an invention for—"Improvements in the lock and other parts of breech-loading fire-arms, and in cartridges and projectiles for the same." <i>Letters Patent sealed.</i>
BERNEY. 6th September 1866.	2294. THOMAS BERNEY, of Bracon Hall, in the County of Norfolk, Clerk, for an invention for—"Improvements in the construction of ships and other vessels." <i>Letters Patent sealed.</i>
HART. 7th September 1866.	2295. ALFRED HENRY HART, of Gresham Street, in the City of London, Manufacturer, for an invention for—"Improvements in apparatus for signalling on railway trains and for other like purposes." <i>Letters Patent sealed.</i>
ABEL. 7th September 1866.	2296. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in slide valves for steam-engines."— <i>A communication to him from abroad by William Bowman Robinson, of Detroit, Wayne, State of Michigan, and Zoheth Sherman Durfee, of Philadelphia, State of Pennsylvania, both in the United States of America.</i> <i>Letters Patent sealed.</i>
ASQUITH. ASQUITH. 7th September 1866.	2297. JOSEPH ASQUITH, and JOHN WILLIAM ASQUITH, of Bagby Mills, Leeds, in the County of York, for an invention for—"Improvements in machinery for cross raising the pile or nap of woollen and other cloths or fabrics, parts of which said improvements are also applicable to cross cutting machines." <i>Letters Patent sealed.</i>
SCHNEIDER. 7th September 1866.	2298. JOHN SCHNEIDER, of Williamsburg, King's County, and State of New York, United States of America, for an invention for—"A process of making improved beer and ale." <i>Letters Patent sealed.</i>
JOHNSON. 7th September 1866.	2299. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in hats or coverings for the head, parts of which improvements are applicable to parasols and fans."— <i>A communication to him from abroad by William Henry White, of Kent Island, in the State of Maryland, United States of America.</i> <i>Letters Patent sealed.</i>
LOCKHEAD. 7th September 1866.	2300. JAMES LOCKHEAD, of the City of Glasgow, North Britain, for an invention for—"Improvements in the arrangement and construction of machinery or apparatus for sawing timber." <i>Provisional protection only.</i>
DEFRIES. 7th September 1866.	2301. COLEMAN DEFRIES, of the firm of Jonas Defries and Son, of No. 147, Houndsditch, in the City of London, Manufacturer, for an invention for—"An improved float light." <i>Letters Patent sealed.</i>
KITCHEN. KITCHEN. SAMUELS. 7th September 1866.	2302. JOHNSON KITCHEN, WILLIAM KITCHEN, and SAMUEL SAMUELS, all of Accrington, in the County of Lancaster, Engineers, for an invention for—"An improved railway break." <i>Provisional protection only.</i>
MACKIE. 7th September 1866.	2303. ALEXANDER MACKIE, of Warrington, in the County of Lancaster, Newspaper Proprietor, for an invention for—"Certain improvements in machinery or apparatus for 'composing' or 'setting' type." <i>Letters Patent sealed.</i>
BROOMAN. 7th September 1866.	2304. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in breech-loading fire-arms, and in the manufacture of cartridges to be used therewith."— <i>A communication to him from abroad by Antoine Alphonse Chassepot, of Paris, France.</i> <i>Letters Patent sealed.</i>

- KLEIN.**
7th September 1866. **2305. WILLIAM FREDERIC BERNHARD KLEIN**, of Great Tower Street, in the City of London, Merchant, for an invention for—"Improvements in the construction of roller skates."—*A communication to him from abroad by Leopold Burmeister, of Melbourne, Australia.*
Provisional protection only.
- HUGHES.**
8th September 1866. **2306. EDWARD THOMAS HUGHES**, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in water power engines."—*A communication to him from abroad by William Lonsdale and William Peete, of New York, United States of America.*
Letters Patent sealed.
- TOSSELL.**
8th September 1866. **2307. MICHAEL TOSSELL**, of 14, Burdett Road, Limehouse, in the County of Middlesex, for an invention for—"A new or improved chimney cowl or ventilator."
Provisional protection NOT granted.
- CATLOW.**
8th September 1866. **2308. CHRISTOPHER CATLOW**, of Burnley, in the County of Lancaster, Overlooker, for an invention for—"Improvements in looms for weaving."
Letters Patent sealed.
- CHAPPLE.**
8th September 1866. **2309. ARTHUR FRANK CHAPPLE**, of West Brixton, in the County of Surrey, Shorthand Writer, for an invention for—"Improvements in ink supplying penholders."
Provisional protection only.
- ALLBON.**
8th September 1866. **2310. CHARLES FREDERICK ALLBON**, of the Euston Road, in the County of Middlesex, Boot and Shoe Manufacturer, for an invention for—"An improvement in boots and shoes."
Provisional protection only.
- HODGSON.**
8th September 1866. **2311. CHRISTOPHER HODGSON**, and **JAMES WHITLEY STEAD**, of Salford, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in weighing-machines and indicators."
Letters Patent sealed.
- BROOMAN.**
8th September 1866. **2312. CLINTON EDGCUMBE BROOMAN**, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"A new or improved cup or apparatus for containing and supplying oil for lubricating purposes."—*A communication to him from abroad by Victor Lieuvain, of Rouen, France.*
Letters Patent sealed.
- SILVESTER.**
8th September 1866. **2313. JOHN SILVESTER**, of the firm of George Salter and Company, of West Bromwich, in the County of Stafford, Manufacturers, for an invention for—"Improvements in the manufacture of the handles of sad irons and other smoothing and tailors' and hatters' irons."
Letters Patent sealed.
- BURGESS.**
8th September 1866. **2314. CHARLES THOMAS BURGESS**, of Brentwood, in the County of Essex, for an invention for—"Improvements in reaping-machines."
Letters Patent sealed.
- WARNER.**
STEWART.
BARBER.
8th September 1866. **2315. FREDERICK WARNER**, of Jewin Crescent, Cripplegate, in the City of London, **WILLIAM STEWART**, of Carthusian Street, also in the City of London, and **GEORGE WILLIAM BARBER**, of King Street, Southsea, in the County of Hants, for an invention for—"Improvements in waterclosets, and in valves and regulating apparatus for the same and other purposes."
Letters Patent sealed.
- CLARK.**
8th September 1866. **2316. WILLIAM CLARK**, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in leather and in machines for manufacturing the same."—*A communication to him from abroad by George Valentine Sheffield and James Fitch Coburn, both of Hopkinton, in the County of Middlesex, and State of Massachusetts, United States of America.*
Letters Patent sealed.
- FRANKLAND.**
10th September 1866. **2317. WILLIAM FRANKLAND**, of Lower Broughton, near the City of Manchester, Commercial Traveller, for an invention for—"Improvements in apparatus for lubricating the valves, pistons, cylinders and all internal parts of steam-engines where the steam has access."
Provisional protection only.
- VINCENT.**
WESTCOTT.
10th September 1866. **2318. WILLIAM VINCENT**, of 29A, North Street, Saint John's Wood, and **GEORGE RICHARD WESTCOTT**, of 89, Vauxhall Bridge Road, Westminster, both in the County of Middlesex, for an invention for—"Improvements in apparatus for lighting the floats of lights in theatres and other places."
Provisional protection only.
- NEWTON.**
10th September 1866. **2319. ALFRED VINCENT NEWTON**, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of seamless metallic tubes."—*A communication to him from abroad by William Forman Brooks, of the City and State of New York, United States of America.*
Provisional protection only.

BATHOE. 10th September 1866.	2320. CHARLES BATHOE, of 28, York Place, Portman Square, in the County of Middlesex, Esquire, for an invention for—"A new or improved composition to be employed in architectural mouldings, and for other useful and decorative purposes." <i>Provisional protection only.</i>
DE GAUDEL. 10th September 1866.	2321. CHARLES FRANCK DE GAUDEL, of No. 15, Passage des Petites Ecuries, Paris, France, for an invention for—"Making boot legs of one piece." <i>Provisional protection only.</i>
GEDGE. 10th September 1866.	2322. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved manufacture of studs, buttons, ornamental plates and analogous articles used in saddlery and harness, upholstery, military equipments, clothing and for other purposes, making them either of rolled, cast or wrought metal, or of any hard material such as horn, ivory, gutta-percha, wood or hardened india-rubber, and with two or several shanks or metal fastening rings or prongs."— <i>A communication to him from abroad by Lorenzo Saley, of the firm of Cesare Trippa, of Bologna, Italy.</i> <i>Provisional protection only.</i>
GEDGE. 10th September 1866.	2323. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the manufacture of calcareous bricks or artificial stones."— <i>A communication to him from abroad by Alfred François Osselin, of 39, Faubourg St. Martin, Paris, France, Architect.</i> <i>Provisional protection only.</i>
RAILTON. WALTON. 10th September 1866.	2324. PETER JOHN RAILTON, of Blackburn, in the County of Lancaster, Engineer, and DAVID WALTON, of the same place, Inn Keeper, for an invention for—"Improved machinery for twisting into bands, cotton, linen, woollen, silk, hemp or wire." <i>Letters Patent sealed and specification filed by order.</i>
FITZHENRY. 10th September 1866.	2325. EDWARD FITZHENRY, of the State of Oregon, of the United States of America, for an invention for—"A new and useful machine which may be employed for scouring, sleeking or setting hides or leather." <i>Complete specification; Letters Patent sealed.</i>
HARLOW. 10th September 1866.	2326. EDMUND HARLOW, of Sparkbrook, near Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms and in revolving fire-arms, and in cartridges for the said fire-arms." <i>Letters Patent sealed.</i>
CURTIS. 10th September 1866.	2327. WILLIAM JOSEPH CURTIS, of Holloway, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus for steering steam vessels." <i>Letters Patent sealed.</i>
SCOTT. 10th September 1866.	2328. ROBERT ANTHONY EDWARDS SCOTT, of Lewisham, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements in gun carriages and in the mode of elevating and depressing guns." <i>Provisional protection only.</i>
JOHNSON. 10th September 1866.	2329. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in electric telegraph conductors."— <i>A communication to him from abroad by John Montgomery Batchelder, of Cambridge, Massachusetts, in the United States of America.</i> <i>Provisional protection only.</i>
BENNETT. 10th September 1866.	2330. ROBERT BENNETT, Gentleman, of the City of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"New or improved modes of obtaining and transmitting motive-power, and in the machinery or apparatus employed therefor." <i>Provisional protection only.</i>
OLLEY. 11th September 1866.	2331. WILLIAM OLLEY, of Enfield, in the County of Middlesex, Mechanic, for an invention for—"Improvements in apparatus for separating animal and vegetable matters from water and other liquids." <i>Provisional protection only.</i>
BALDWIN. 11th September 1866.	2332. THOMAS BALDWIN, of Bury, in the County of Lancaster, Engineer, for an invention for—"Improvements in steam-boilers and in apparatus connected therewith." <i>Letters Patent sealed.</i>
HARDCASTLE. 11th September 1866.	2333. ROBERT ANTHONY HARDCASTLE, of the Town and County of Newcastle-upon-Tyne, for an invention for—"Improvements in apparatus for measuring and indicating the quantity of liquid drawn off thereby." <i>Letters Patent sealed.</i>

- PAGET.
11th September 1866. 2334. FREDERICK ARTHUR PAGET, of 1, Seymour Chambers, York Buildings, Adelphi, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the connecting parts of machinery and structures liable to impulsive forces." *Provisional protection only.*
- LEWIS.
11th September 1866. 2335. THOMAS CHRISTOPHER LEWIS, of Brixton, in the County of Surrey, Pianoforte Maker, for an invention for—"Improvements in the construction of pianofortes." *Provisional protection only.*
- GEDGE.
11th September 1866. 2336. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved machine or apparatus for manufacturing leather straps, belts or bands for driving machinery and for other purposes."—*A communication to him from abroad by Charles Jules Camille Bonnot, of 39, Faubourg St. Martin, Paris, France.* *Letters Patent sealed.*
- SCOTT.
11th September 1866. 2337. ROBERT ANTHONY EDWARDS SCOTT, of Lewisham, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements in the mode of mounting and working revolving and other guns." *Letters Patent sealed.*
- SCOTT.
11th September 1866. 2338. ROBERT ANTHONY EDWARDS SCOTT, of Lewisham, in the County of Kent, Commander in the Royal Navy, for an invention for—"Improvements applicable to gun carriages and platforms or slides." *Letters Patent sealed.*
- BOUSFIELD.
11th September 1866. 2339. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in apparatus applicable to marine steam-boilers."—*A communication to him from abroad by Jean Baptiste Thierry, junior, a person resident at Faubourg St. Martin, Paris.* *Provisional protection only.*
- GEDGE.
12th September 1866. 2340. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved indicator or register."—*A communication to him from abroad by Etienne Théophile Prioux, of 39, Faubourg Saint Martin, Paris, France.* *Letters Patent sealed.*
- LIETAR.
12th September 1866. 2341. BERNARD LIETAR, of No. 4, Rue du Houblon, Brussels, in the Kingdom of Belgium, and the Royal Hotel, Blackfriars, in the City of London, Mechanic, for an invention for—"An improved method of welding iron upon iron, steel upon steel, and iron upon steel." *Provisional protection only.*
- WILLIAMS.
12th September 1866. 2342. JOHN WILLIAMS, of Wigginton, near Banbury, in the County of Oxford, Clerk in Holy Orders, for an invention for—"Improvements in two-wheeled carriages." *Letters Patent sealed.*
- BRIGHT.
12th September 1866. 2343. JAMES PRATT BRIGHT, of Stepney Green, in the County of Middlesex, Commercial Traveller, for an invention for—"An improvement or improvements in manufacturing, decorating and ornamenting articles of furniture." *Letters Patent sealed.*
- HAINES.
12th September 1866. 2344. MICHAEL JOHN HAINES, of the City of Bristol, for an invention for—"Improvements in leather straps or driving bands." *Provisional protection only.*
- WOODALL.
VAN WINKLE.
12th September 1866. 2345. SOLOMON WOODALL, of Dudley, Worcestershire, Manufacturer, and JACOB MARTIN VAN WINKLE, of Laurence Pountney Hill, in the City of London, Merchant, for an invention for—"An improved mode of and means for uniting and securing the ends of bands or hoops designed for baling cotton, wool and other substances." *Letters Patent sealed.*
- WHEELHOUSE.
12th September 1866. 2346. THOMAS WHEELHOUSE, of No. 27, Mary Street, Strangeways, in the City of Manchester, Dyer, for an invention for—"Improvements in apparatus for sanitary purposes." *Letters Patent sealed.*
- AYDON.
POCOCK.
12th September 1866. 2347. ENOCH HARRISON AYDON, of No. 3, Great Queen Street, Westminster, in the County of Middlesex, Civil Engineer, and EBENEZER POCOCK, of Clapham Square, in the County of Surrey, Gentleman, for an invention for—"Improvements in machinery for cutting rags, ropes and other articles for paper making and other purposes." *Provisional protection only.*

DAVEY. 12th September 1866.	2348. JOHN DAVEY, of Wisbeach, in the County of Cambridge, Agricultural Implement Maker, for an invention for—"Improvements in thrashing machines." <i>Provisional protection only.</i>
ARBUCKLE. 12th September 1866.	2349. GEORGE BENJAMIN VAUGHAN ARBUCKLE, of Little Heath, Charlton, Kent, for an invention for—"Immediately giving the alarm in case of fire in any building or ship whatsoever, wherever it may be placed." <i>Provisional protection NOT granted.</i>
PHILLIPS. HOWIE. 13th September 1866.	2350. EDMUND PHILLIPS, Manufacturer, and JAMES HOWIE, Agent, both of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus to be employed in cutting textile fabrics." <i>Letters Patent sealed.</i>
CLARK. 13th September 1866.	2351. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture or ornamentation of cloth and pile fabrics."— <i>A communication to him from abroad by Pierre Bouvier, Benoit Bouvier, Jean Baptiste otherwise Jules Bouvier, and Geoffroy Bouvier, all of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
NORTON. 13th September 1866.	2352. JAMES LEE NORTON, of Belle Sauvage Yard, Ludgate Hill, in the City of London, for an invention for—"Improvements in machinery for washing and cleansing wool and other fibrous materials." <i>Provisional protection only.</i>
HORSTMANN. 13th September 1866.	2353. FREDRICH GUSTAV ADOLPH HORSTMANN, of the City and Borough of Bath, in the County of Somerset, Watch and Clock Maker, for an invention for—"A new or improved mode of obtaining motive-power, which power can be used for winding clocks, time pieces and other mechanism, and also for ventilating hot houses, green houses and all buildings where a uniform temperature is desirable." <i>Letters Patent sealed.</i>
ROBINSON. 13th September 1866.	2354. RICHARD ROBINSON, of the firm of Robinson, White and Morrison, of Brewer Street, Golden Square, in the County of Middlesex, Leather Bag Manufacturers, for an invention for—"Improvements in travelling or fitted dressing bags." <i>Provisional protection only.</i>
BING. 13th September 1866.	2355. LOUIS BING, of Bishop Stortford, in the County of Hertford, Artist, for an invention for—"An improved mode of and apparatus for determining the actinic power of light." <i>Provisional protection only.</i>
BETTELEY. 13th September 1866.	2356. JOSEPH HENRY BETTELEY, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"Improvements in ships' anchors." <i>Letters Patent sealed.</i>
HENDERSON. MCNEIL. 13th September 1866.	2357. GEORGE HENDERSON, and DAVID MCNEIL, both of Blackfriars Road, in the County of Surrey, for an invention for—"Improvements in hydraulic gas chandeliers, and in gas regulators applicable thereto and to other gas burners or meters." <i>Provisional protection only.</i>
RICHES. WATTS. 14th September 1866.	2358. RICHARD ROBERT RICHES, and CHARLES JAMES WATTS, both of Norwich, in the County of Norfolk, Engineers, for an invention for—"Improvements in horse hay rakes."— <i>Partly a communication from abroad made to them by Daniel G. Adelsberger, of Emmettsburg, Frederick County, State of Maryland, United States of America, and partly of invention and discovery made by them.</i> <i>Letters Patent sealed.</i>
CHESHIRE. 14th September 1866.	2359. COLEN HEWER CHESHIRE, Manufacturing Silversmith, of 63 and 64, Spencer Street, Birmingham, Warwickshire, for an invention for—"An improved metal spring box or case for fuses, cigars and other purposes." <i>Letters Patent sealed.</i>
CAIRNS. 14th September 1866.	2360. ALEXANDER CAIRNS, of Liverpool, in the County of Lancaster, Nautical Instrument Maker, for an invention for—"Improvements in the construction of liquid compasses." <i>Letters Patent sealed.</i>
BARANOWSKI. 14th September 1866.	2361. JEAN JOSEPH BARANOWSKI, of Fleet Street, in the City of London, Engineer, for an invention for—"An improved apparatus or appliance to be used in conjunction with corks for closing bottles, jars and other similar receptacles." <i>Provisional protection only.</i>
ROBINSON. 14th September 1866.	2362. GEORGE ROBINSON, of No. 26, Welbeck Street, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in the manufacture or production of ammonia, baryta and strontia." <i>Provisional protection only.</i>

- VARLEY.**
14th September 1866. **2363.** CROMWELL FLEETWOOD VARLEY, of Fleetwood House, Beckenham, in the County of Kent, for an invention for—"Improvements in apparatus for obtaining latitude and longitude." *Letters Patent sealed.*
- STEWART.**
CHAPMAN.
14th September 1866. **2364.** CHARLES PATRICK STEWART, and HENRY CHAPMAN, both of the Atlas Works, in the City of Manchester, and County of Lancaster, Engineers, for an invention for—"Improvements in tools or machines for cutting, drilling, slotting, slot drilling, shaping and planing metals and other substances." *Letters Patent sealed.*
- JOHNSON.**
14th September 1866. **2365.** JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for cutting frets in metal or other substances."—*A communication to him from abroad by Madame Henriette Delong, of Paris, in the Empire of France, Fret Cutter.* *Letters Patent sealed.*
- OLDHAM.**
14th September 1866. **2366.** ALEXANDER OLDHAM, of Newton Moor, in the County of Chester, Mechanical Engineer, for an invention for—"Certain improvements in metallic pistons." *Provisional protection only.*
- BOYD.**
MCPHERSON.
KERR.
TAYLOR.
14th September 1866. **2367.** JOHN BOYD, Engineer and Machine Maker, JOHN MCPHERSON, Manufacturer, THOMAS KNOX KERR, Manufacturer, and JOHN TAYLOR, Mechanic, all of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in winding apparatus." *Letters Patent sealed.*
- BINDLEY.**
14th September 1866. **2368.** JOHN BINDLEY, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in machinery or apparatus to be employed in the manufacture of fish hooks." *Letters Patent sealed.*
- TUNSTILL.**
14th September 1866. **2369.** WILLIAM TUNSTILL, of Paterson, in the State of New Jersey, United States of America, for an invention for—"An improvement in braiding machines and warp regulators." *Letters Patent sealed.*
- COUCHMAN.**
14th September 1866. **2370.** RICHARD COUCHMAN, of Noble Street, Saint Martin's-le-Grand, in the County of Middlesex, Manufacturer, for an invention for—"Improvements in boxes or cases for packing and exhibiting goods or articles of various kinds." *Letters Patent sealed.*
- KEYSTON.**
15th September 1866. **2371.** JOHN KEYSTON, of King's Norton, in the County of Worcester, for an invention for—"An improved material or substance to be used instead of whalebone in the manufacture of whips, whip handles, riding and walking sticks and such like articles." *Provisional protection only.*
- DUNN.**
15th September 1866. **2372.** NOAH DUNN, of Tipton, in the County of Stafford, Engineer, for an invention for—"Certain improvements in water tuyeres." *Letters Patent sealed.*
- NEWY.**
15th September 1866. **2373.** THOMAS NEWY, of Birmingham, in the County of Warwick, Pen and Pencil Manufacturer, for an invention for—"Improvements in clips or fastenings for the bands of purses and pocket books, and for other bands, and for other like purposes." *Letters Patent sealed.*
- BAYLISS.**
15th September 1866. **2374.** BENJAMIN BAYLISS, of Pontnewydd, near Newport, in the County of Monmouth, Forge Manager, for an invention for—"Improvements in the manufacture of iron." *Letters Patent sealed.*
- CONNOR.**
15th September 1866. **2375.** CHARLES CUNNINGHAM CONNOR, of Spamount Mills, Castlederg, in the County of Tyrone, Ireland, Spinner, for an invention for—"Improvements in means or apparatus for the preparation or treatment of flax, tow, hemp and other vegetable fibrous matters." *Letters Patent sealed.*
- CREASY.**
15th September 1866. **2376.** WILLIAM CREASY, of Bull's Hall, Bedford, in the County of Suffolk, for an invention for—"Improvements in machinery or apparatus for drying or otherwise treating grain and other substances." *Letters Patent sealed.*
- VON RATHEN.**
15th September 1866. **2377.** ANTHONY BERNHARD BARON VON RATHEN, of Fitzroy Square, in the County of Middlesex, for an invention for—"A new or improved compressed air engine, combined with a new mode and appropriate construction of the engine for preventing the escape of air." *Letters Patent sealed.*
- TWIBILL.**
15th September 1866. **2378.** JOSEPH TWIBILL, of Irvine, in the County of Ayr, North Britain, Engineer, for an invention for—"Improvements in steam generators or boilers, water heaters and apparatus connected therewith." *Letters Patent sealed.*

JACKSON. 17th September 1866.	2379. JAMES JACKSON, of Liverpool, in the County of Lancaster, Manager of North Forge Iron Works, for an invention for—"Improvements in the construction of ships' anchors." <i>Letters Patent sealed.</i>
BRASH. YOUNG. 17th September 1866.	2380. PETER BRASH, of Leith, in the County of Midlothian, Soap, Candle and Oil Manufacturer, and WILLIAM YOUNG, Manager of the Oil Works, Straiton, in the same County, for an invention for—"Improvements in the manufacture of oil from shale and other bituminous substances." <i>Letters Patent sealed.</i>
LETCHFORD. 17th September 1866.	2381. ROBERT M. LETCHFORD, of Three Colts Lane, Bethnal Green, Middlesex, Wax Vesta Manufacturer, for an invention for—"The improvement of wicks for burning." <i>Provisional protection NOT granted.</i>
DUNN. 17th September 1866.	2382. JOHN DUNN, of No. 6, Old Jewry, in the City of London, Gentleman, for an invention for—"Improvements in spinning wool and other fibrous materials."— <i>A communication to him from abroad by Ferdinand Spineux, of Liège, Belgium.</i> <i>Letters Patent sealed and specification filed by order.</i>
WALL. 17th September 1866.	2383. EDWARD WALL, of Moorville Lodge, Britannia Square, in the Parish of Claines, in the City of Worcester, Boot and Shoe Manufacturer, for an invention for—"An improved elastic waist for boots, shoes, slippers, clogs and sandals." <i>Letters Patent sealed.</i>
GEDGE. 17th September 1866.	2384. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved construction of railway."— <i>A communication to him from abroad by François Guillet, of Coteau, near Roanne, France, Machinist.</i> <i>Letters Patent sealed.</i>
DODGE. 17th September 1866.	2385. JAMES DODGE, of Manchester, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in machinery for grinding, stripping and cutting file blanks, part of which improvements is also applicable to grinding and polishing chisels, plane irons and other articles." <i>Letters Patent sealed.</i>
JOHNSON. 17th September 1866.	2386. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for the manufacture of bricks, tiles and other similar articles."— <i>A communication to him from abroad by François Durand, of Paris, in the Empire of France, Engineer.</i> <i>Letters Patent sealed.</i>
MCDOWELL. 17th September 1866.	2387. DANIEL McDOWELL, of the City of Dublin, Ireland, Engineer, for an invention for—"Improved apparatus for cleaning the tubes of steam-boilers." <i>Letters Patent sealed.</i>
BOUSFIELD. 17th September 1866.	2388. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Certain new and useful improvements in steam jets."— <i>A communication to him from abroad by David Meeker Nichols, a person resident at the City of New York, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
BOUSFIELD. 17th September 1866.	2389. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the art of felting or sizing hat bodies, and machinery therefor."— <i>A communication to him from abroad by Philip Wheeler Somers, a person resident at Danbury, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
DYSON. 17th September 1866.	2390. GEORGE DYSON, of Tudhoe, in the County of Durham, for an invention for—"Improvements in the smelting of iron and in furnaces therefor." <i>Letters Patent sealed.</i>
BAILEY. 18th September 1866.	2391. WILLIAM HENRY BAILEY, of the Albion Works, Salford, in the County of Lancaster, Brass Founder and Steam Guage Manufacturer, for an invention for—"A combined bath, travelling trunk and self-rocking cradle." <i>Provisional protection only.</i>
THOMPSON. 18th September 1866.	2392. JOHN THOMPSON, of Ardwick, in the City of Manchester, Machinist, for an invention for—"Improvements in machinery for turning or cutting and polishing screw nuts and other articles." <i>Letters Patent sealed.</i>

- LAKE.**
18th September 1866. **2393.** WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in projectiles for fire-arms and ordnance."—*A communication to him from abroad by Samuel Hatt Haycock, of Ottawa, in the County of Carlton, West Canada.*
Complete specification: Letters Patent sealed.
- GEDGE.**
18th September 1866. **2394.** WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for separating grain from straw."—*A communication to him from abroad by Pierre Ernest Antoine Revol, of Lyons, France, Engineer.*
Letters Patent sealed.
- PARKES.**
18th September 1866. **2395.** THOMAS PARKES, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in tube cutters." *Letters Patent sealed.*
- NEWCOME.**
18th September 1866. **2396.** HENRY JUSTINIAN NEWCOME, of No. 49, King William Street, in the City of London, for an invention for—"Improved apparatus for heating or warming buildings." *Provisional protection only.*
- SAMS.**
18th September 1866. **2397.** JOSEPH HENRY SAMS, of the Bon Accord Works, Justice Mills, Aberdeen, for an invention for—"Improvements in straining or tightening wire." *Letters Patent sealed.*
- LEY.**
18th September 1866. **2398.** HENRY WILLIAM LEY, of Bear Street, Leicester Square, in the County of Middlesex, for an invention for—"Improvements in working cords, straps or chains, with pulleys, also in differential pulley blocks, and in apparatus for pawling or retaining." *Letters Patent sealed.*
- STOCKER.**
18th September 1866. **2399.** ALEXANDER SOUTHWOOD STOCKER, of 69, Lamb's Conduit Street, in the County of Middlesex, for an invention for—"Improvements appertaining to bottles." *Letters Patent sealed.*
- STARK.**
18th September 1866. **2400.** ALEXANDER ROGER STARK, of Woolwich, in the County of Kent, Engineer, for an invention for—"Improvements in the manufacture of gas." *Provisional protection only.*
- SAGE.**
18th September 1866. **2401.** FREDERICK SAGE, of Hatton Garden, in the City of London, Show Case Manufacturer, for an invention for—"Improvements in show cases or boxes." *Letters Patent sealed.*
- KEENE.**
19th September 1866. **2402.** GEORGE KEENE, of No. 39, Durham Terrace, Peckham, in the County of Surrey, for an invention for—"An improved sausage making and mincing machine." *Provisional protection only.*
- CROPPER.**
19th September 1866. **2403.** HENRY SMITH CROPPER, of Sneinton, in the County of Nottingham, for an invention for—"Improvements in printing machines."—*A communication to him from abroad by George Gordon, of New York, in the United States of America.*
Letters Patent sealed.
- DENNIS.**
19th September 1866. **2404.** WILLIAM DENNIS, of No. 57, Aldermanbury, in the City of London, Merchant, for an invention for—"Improvements in the construction of letter boxes and letter pillars." *Provisional protection only.*
- BARLOW.**
DACK.
19th September 1866. **2405.** ELIAS BARLOW, of Patricroft, in the County of Lancaster, and WILLIAM NATHAN DACK, of the same place, Engineers, for an invention for—"Certain improvements in steam-engines." *Provisional protection only.*
- BARLOW.**
DACK.
19th September 1866. **2406.** ELIAS BARLOW, of Patricroft, in the County of Lancaster, and WILLIAM NATHAN DACK, of the same place, Engineers, for an invention for—"Certain improvements in machinery or apparatus for planing metals." *Letters Patent sealed.*
- GEDGE.**
19th September 1866. **2407.** WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved pneumatic steam dredging machine."—*A communication to him from abroad by Emilio Musciacco, of Brindisi, Italy.*
Provisional protection only.
- DIXON.**
19th September 1866. **2408.** THOMAS DIXON, of Low Moor, in the County of York, Engineer, for an invention for—"An improved arrangement of steam-boiler and furnace." *Letters Patent sealed.*

ROBINSON. 19th September 1866.	2409. JOHN PETER ROBINSON, of Oxford St. in the County of Middlesex, for an invention for—"Improvements in jackets, capes, and other like garments for ladies." <i>Provisional protection only.</i>
ASHWORTH. ASHWORTH. 20th September 1866.	2410. GEORGE ASHWORTH, of Manchester, in the County of Lancaster, and ELIJA ASHWORTH, of Droylsden, in the same County, Machinists, for an invention for—"Improvements in 'portfolios' or 'cases' for holding musical publications, periodicals, manuscripts and the like matter, and in binders to be used therewith." <i>Letters Patent sealed.</i>
SUTHERLAND. 20th September 1866.	2411. FREDERICK SUTHERLAND, of King William Street, in the City of London, Umbrella Manufacturer, for an invention for—"Improvements in umbrellas." <i>Provisional protection only.,</i>
CHADBURN. 20th September 1866.	2412. CHARLES HENRY CHADBURN, of Liverpool, in the County of Lancaster, Optician and Manufacturer of Scientific Instruments, for an invention for—"Improvements in moveable door screens." <i>Provisional protection only.</i>
SIEMENS. 20th September 1866.	2413. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in smelting metallic ores, and in furnaces to be employed for that purpose." <i>Letters Patent sealed.</i>
WALKER. 20th September 1866.	2414. GEORGE JAMES WALKER, of White Lion Street, Norton Folgate, in the County of Middlesex, Carriage Builder, for an invention for—"An improved carriage break applicable to common roads." <i>Provisional protection only.</i>
BÉRARD. 20th September 1866.	2415. ARISTIDE BALTHAZARD BÉRARD, Civil Engineer, Knight of the Legion of Honour, of No. 51, Avenue Montaigne, Paris, France, for an invention for—"Improvements in the manufacture of steel and in the apparatus employed therefor, parts of which improvements and apparatus are also applicable to the production of gas for heating purposes." <i>Complete specification: Letters Patent sealed.</i>
WALKER. 20th September 1866.	2416. ANDREW BARCLAY WALKER, of Warrington, in the County of Lancashire, Brewer, for an invention for—"Improvements in brewing, malting, distilling, and apparatus employed therein, parts of which are applicable for drying grain or other goods." <i>Letters Patent sealed.</i>
CARTER. EDWARDS. 20th September 1866.	2417. HENRY CARTER, and GEORGE HENRY EDWARDS, both of Dempsey Street, in the County of Middlesex, Gun Makers, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
CRUMP. 20th September 1866.	2418. CHARLES CRUMP, of Southcombe Paignton, in the County of Devon, for an invention for—"Improvements in solvents for resins and resinous substances, caoutchouc, gutta-percha, oils and fats." <i>Provisional protection only.</i>
GOODAY. 21st September 1866.	2419. GEORGE ONLEY GOODAY, of Great Leighs, Chelmsford, in the County of Essex, Engineer, for an invention for—"Improvements in the manufacture of thatch, and in machines or machinery for producing the same, which machines are also applicable for binding, sewing and stitching purposes generally." <i>Letters Patent sealed.</i>
MORGAN. 21st September 1866.	2420. JOHN WALKER MORGAN, of Saltney, in the County of Flint, Engineer, for an invention for—"Improvements in ships' anchors." <i>Letters Patent sealed.</i>
MARSH. 21st September 1866.	2421. JAMES MARSH, of Dukensfield, in the County of Chester, Ironmoulder, for an invention for—"Certain improvements in the method of lubricating vertical spindles or shafts, and in the apparatus for effecting the same."— <i>A communication to him from abroad by Thomas Marsh, a person residing at Central Falls, Smithfield, in the County of Providence, and State of Rhode Island, United States of America.</i> <i>Provisional protection only.</i>
DAVIES. 21st September 1866.	2422. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved fabric to be used for the manufacture of driving belts, hoses and for other useful purposes."— <i>A communication to him from abroad by Thomas Roberts White and William Glean Bedford, of Philadelphia, Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>

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| <p>LAURENT.
21st September 1866.</p> | <p>2423. GILBERT AMABLE LAURENT, of No. 22, Rue des Garceaux Moulins, in the Empire of France, Civil Engineer, for an invention for—"Improvements in machinery for stopping or retarding railway trains and preventing accidents on railways."
<i>Provisional protection only.</i></p> |
| <p>STUART
21st September 1866.</p> | <p>2424. GRAHAM STUART, of Sheffield, in the County of York, for an invention for—"Improvements in breech-loading guns."
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
21st September 1866.</p> | <p>2425. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"A new and improved machine for setting and distributing types."—<i>A communication to him from abroad by John Abercrombie Gray and Samuel Worcester Green, both of New York City, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
21st September 1866.</p> | <p>2426. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in securing teeth in saws."—<i>A communication to him from abroad by The American Saw Company, of New York City, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
21st September 1866.</p> | <p>2427. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in picker motions for looms."—<i>A communication to him from abroad by Hosea Elliott, of Globe Village, in the County of Worcester, and State of Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>RICHARDSON.
IMRAY.
21st September 1866.</p> | <p>2428. ROBERT RICHARDSON, of Great George Street, Westminster, in the County of Middlesex, Civil Engineer, and JOHN IMRAY, of Westminster Bridge Road, in the County of Surrey, Engineer, for an invention for—"Improvements in water supply."
<i>Letters Patent sealed.</i></p> |
| <p>CHALLINOR.
21st September 1866.</p> | <p>2429. THOMAS CHALLINOR, of 62, Great College Street, in the County of Middlesex, Commission Agent, for an invention for—"Improvements in machinery or apparatus for cleaning and polishing boots and shoes, harness and other manufactured leather goods."
<i>Provisional protection only.</i></p> |
| <p>NEWTON.
21st September 1866.</p> | <p>2430. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of weight."—<i>A communication to him from abroad by Daniel Baker Lacy and Isaac Augustus Lacy, of Mott Haven, in the State of New York, and Thomas Thompson Lacy, of Jersey City, in the State of New Jersey, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>CLARK.
21st September 1866.</p> | <p>2431. JAMES CLARK, of Newton Heath, Manchester, in the County of Lancaster, India-rubber Manufacturer, for an invention for—"Improvements in wire cards and combs or heckles used in the preparation of cotton, wool and other fibrous materials."
<i>Provisional protection only.</i></p> |
| <p>ROCHUSSEN.
21st September 1866.</p> | <p>2432. THEODORE ANTHONY ROCHUSSEN, of Abchurch Lane, in the City of London, for an invention for—"Improvements in constructing the permanent ways of railways."
<i>Letters Patent sealed.</i></p> |
| <p>DYSON.
21st September 1866.</p> | <p>2433. GEORGE DYSON, of Tudhoe, near Ferry Hill, in the County of Durham, for an invention for—"Improvements in drying and ventilating corn and other agricultural produce, and in apparatus therefor."
<i>Letters Patent sealed.</i></p> |
| <p>HEPPEL.
21st September 1866.</p> | <p>2434. JOHN MORTIMER HEPPEL, of No. 2, Storey's Gate, Westminster, in the County of Middlesex, for an invention for—"Improvements in fluid meters, also applicable to pumps and water pressure engines."
<i>Letters Patent sealed.</i></p> |
| <p>FREEMAN.
GRUNDY.
22nd September 1866.</p> | <p>2435. SAMUEL RICHARDS FREEMAN, and ABRAHAM GRUNDY, of the City of Manchester, Engineers, for an invention for—"Improvements in breaks for retarding machinery and vehicles used on rail or common roads."
<i>Provisional protection only.</i></p> |
| <p>DIMOCK.
22nd September 1866.</p> | <p>2436. IRA DIMOCK, of 97, Cheapside, in the City of London, for an invention for—"Improvements in brushes and in their manufacture."—<i>A communication to him from "The Florence Manufacturing Company," Florence, County of Hampshire, and State of Massachusetts, United States of America.</i>
<i>Letters Patent sealed.</i></p> |
| <p>THRING.
22nd September 1866.</p> | <p>2437. GODFREY THRING, of Hornblotton Rectory, Somerset, Clerk, for an invention for—"Improvements in the construction of stiles used in public and private pathways."
<i>Letters Patent sealed.</i></p> |

FLEETWOOD. 22nd September 1866.	2438. DANIEL JOSEPH FLEETWOOD, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of dies or moulds used for stamping, pressing or moulding metal, glass or other material capable of being so treated." <i>Provisional protection only.</i>
FUSSELL. WISE. 22nd September 1866.	2439. JAMES GEORGE CURRY FUSSELL, of Mells, in the County of Somerset, Clerk, and WILLIAM WISE the younger, of Mells, in the same County, Edge Tool Manufacturer, for an invention for—"Improvements in the construction of scythes." <i>Letters Patent sealed.</i>
ATKINSON. 22nd September 1866.	2440. THOMAS ATKINSON, junior, of Preston, in the County of Lancaster, Machinist, for an invention for—"An improved machine for wringing and mangling." <i>Provisional protection only.</i>
BRACE. SAVORY. 22nd September 1866.	2441. THOMAS BRACE, of Manchester, and WILLIAM SAVORY, of Gloucester, Engineers, for an invention for—"An improved self-acting feeding apparatus for cotton gins." <i>Letters Patent sealed.</i>
MOSLEY. 22nd September 1866.	2442. FREDERICK RICHARD MOSLEY, of the firm of Mosley and Lloyd, of Birmingham, in the County of Warwick, Lamp Manufacturers, for an invention for—"Improvements in lamps for burning paraffin oil and other volatile liquid hydrocarbons." <i>Letters Patent sealed.</i>
JOHNSON. GALE. 22nd September 1866.	2443. JOHN ROBERT JOHNSON, of No. 31, Red Lion Square, in the County of Middlesex, Chemist, and FREDERICK GALE, of No. 25, Long Lane, Bermondsey, in the County of Surrey, Tanner, for an invention for—"Improvements in waterproofing leather, canvas and other fabrics." <i>Provisional protection only.</i>
RAMSDEN. 22nd September 1866.	2444. JOHN CARTER RAMSDEN, of Bradford, in the County of York, Reed Maker, for an invention for—"Improvements in reeds or combs for weaving or other purposes." <i>Provisional protection only.</i>
WANSBROUGH. 22nd September 1866	2445. ALFRED COLMER WANSBROUGH, of Watchet, Bridgwater, in the County of Somerset, for an invention for—"Improvements in the manufacture of paper." <i>Provisional protection not granted.</i>
WEICHERT. 22nd September 1866.	2446. WILLIAM WEICHERT, of Cardiff, Chronometer Manufacturer, for an invention for—"Improvements in the construction and arrangement of chronometers, barometers and thermometers." <i>Letters Patent sealed.</i>
HERRMANN. 24th September 1866.	2447. IGNAZ HERRMANN, of Clerkenwell, in the County of Middlesex, Watchmaker, for an invention for—"Improvements in chronometers or other time-keepers." <i>Provisional protection only.</i>
WHITAKER. CONSTANTINE. 24th September 1866.	2448. THOMAS WHITAKER, of Bolton, and JOSEPH CONSTANTINE, of Manchester, both in the County of Lancaster, for an invention for—"Improvements in the construction of stoves or other heating apparatus for warming and ventilating public and private buildings, baths, hot-houses and drying houses." <i>Letters Patent sealed.</i>
STODDARD. 24th September 1866.	2449. ARTHUR FRANCIS STODDARD, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"A new or improved artificial coal or fuel." <i>Provisional protection only.</i>
STODDARD. 24th September 1866.	2450. ARTHUR FRANCIS STODDARD, of Glasgow, in the County of Lanark, North Britain, Manufacturer, for an invention for—"A new or improved fuel." <i>Letters Patent sealed.</i>
NEWTON. 24th September 1866.	2451. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery or apparatus for filtering liquids."— <i>A communication to him from abroad by Robert Stewart, of Brooklyn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
CALVERT. 24th September 1866.	2452. JOHN CALVERT, of the Strand, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the treatment and manufacture of iron and steel." <i>Letters Patent sealed.</i>
KUNSTMANN. 24th September 1866.	2453. ROBERT KUNSTMANN, of Nuremberg, in the Kingdom of Bavaria, Engineer, but at present residing at 384, City Road, in the County of Middlesex, for an invention for—"Improvements in drying solid substances and in the apparatus or means employed therein." <i>Letters Patent sealed.</i>

GAMGEE. GAMGEE. 24th September 1866.	2454. JOHN GAMGEE, of 28, Queen's Road, Bayswater, in the County of Middlesex, Veterinary Surgeon, and ARTHUR GAMGEE, of 27, Alva Street, in the City of Edinburgh, Doctor of Medicine, for an invention for—"Improvements in the slaughtering of animals with a view to the preservation of their bodies as articles of food, and in the method of preserving animal and vegetable substances." <i>Letters Patent sealed.</i>
ADAMS. 24th September 1866.	2455. GEORGE ADAMS, of No. 34, Felton Street, New North Road, in the County of Middlesex, Engineer, for an invention for—"An improved machine for printing rates on railway tickets and for other like purposes." <i>Provisional protection only.</i>
NEWTON. 24th September 1866.	2456. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved apparatus for steering vessels."— <i>A communication to him from abroad by Robert Creuzbaur, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
CHANDLER. 25th September 1866.	2457. JAMES CHANDLER, of 10, Mark Lane, London, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for drawing and preventing waste of water from service pipes or cisterns." <i>Provisional protection only.</i>
TURNER. 25th September 1866.	2458. HENRY TURNER, of Leeds, in the County of York, for an invention for—"Improvements in apparatus for consuming smoke and economising fuel." <i>Letters Patent sealed.</i>
HUNTER. 25th September 1866.	2459. WILLIAM HUNTER, of Liverpool, in the County of Lancaster, Mechanical Draughtsman, for an invention for—"Improvements in machinery for untwisting, separating and combing tarred ropes, for oakum, and for dressing hemp, flax, manilla, jute or other like material." <i>Letters Patent sealed.</i>
CORMACK. 25th September 1866.	2460. WILLIAM CORMACK, of Commercial Road, in the County of Middlesex, Chemist, for an invention for—"Improvements in means and apparatus for effecting the revivification of animal charcoal." <i>Provisional protection only.</i>
BROOMAN. 25th September 1866.	2461. CLINTON EDGECUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in lace machinery."— <i>A communication to him from abroad by Désiré Sival and Léon Sival, of Roubaix, France.</i> <i>Letters Patent sealed.</i>
LAWSON. FITTON. 25th September 1866.	2462. JOHN LAWSON, and EDWARD GERRARD FITTON, both of Leeds, in the County of York, Machinists, for an invention for—"Improvements in machinery for preparing and spinning flax, tow, jute and other fibrous materials." <i>Letters Patent sealed.</i>
BARKER. 25th September 1866.	2463. JAMES BARKER, of Whiteinch, in the County of Lanark, North Britain, Foreman to Messieurs Wylie and Lochhead, Paper Hanging Manufacturers, for an invention for—"Improvements in apparatus employed in printing and folding paper hangings and woven fabrics." <i>Letters Patent sealed.</i>
DUCKETT. 25th September 1866.	2464. JAMES DUCKETT, of Burnley, in the County of Lancaster, Builder and Quarry Master, for an invention for—"The manufacture of scouring stones, commonly called soft or sandstones, used for the scouring and cleansing of stone floors, steps or other similar parts of domestic dwellings or other edifices, or similar places." <i>Provisional protection only.</i>
STEVEN. 25th September 1866.	2465. ALEXANDER STEVEN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for elevating or conveying yarns or similar materials." <i>Letters Patent sealed.</i>
NEWTON. 25th September 1866.	2466. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in steam-engines, partly applicable to pumps and other apparatus in which pistons or plungers are used."— <i>A communication to him from abroad by John Benjamin Root, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
NEILL. SMITH. 25th September 1866.	2467. WILLIAM NEILL the younger, of Bold, near St. Helen's, in the County of Lancaster, Engineer, and PHILIP SMITH, of Liverpool, in the said County, Alkali Manufacturer, for an invention for—"Improvements applicable to the manufacture of chloride of lime or bleaching powder, and in apparatus connected therewith." <i>Provisional protection only.</i>

NEWTON. 25th September 1866.	2468. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in cornets and other similar musical instruments."— <i>A communication to him from abroad by the Schreiber Cornet Manufacturing Company (Incorporated), of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
LAKE. 25th September 1866.	2469. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in steam pumps."— <i>A communication to him from abroad by Oscar Theodore Earle, of Springfield, Massachusetts, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
VAN DERBURGH. 25th September 1866.	2470. GEORGE EDWARD VAN DERBURGH, of the City of New York, in the County and State of New York, and United States of America, Gentleman, for an invention for—"Improvements in the composition and production of artificial stone, cements and other compositions." <i>Letters Patent sealed.</i>
STARR. 25th September 1866.	2471. HENRY STARR, of No. 145, Cheapside, in the City of London, Merchant, for an invention for—"Improvements in lamps for and in the mode of burning volatile oils, spirits and other fluids."— <i>A communication to him from abroad by Henry Arthur Gedsden, of the City, County and State of New York, United States of America, temporarily residing at Havre, in the Empire of France.</i> <i>Provisional protection only.</i>
LUNDY. 25th September 1866.	2472. JOHN JAMES LUNDY, of Leith, in the County of Mid-Lothian, North Britain, Colour, Grease, and Chemical Manufacturer, for an invention for—"Improvements in the treatment of the residues resulting from and obtained in the purification and distillation of mineral oils, for the purpose of utilising the same." <i>Provisional protection only.</i>
HAMILTON. 25th September 1866.	2473. JOHN HAMILTON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in the manufacture of fuel for heating purposes." <i>Provisional protection only.</i>
TAYLOR. 25th September 1866.	2474. THOMAS BURTON TAYLOR, of Seaham, in the County of Durham, Ship-owner, for an invention for—"Improvements in pumps for ships." <i>Letters Patent sealed.</i>
THURGAR. 25th September 1866.	2475. AUGUSTUS HENRY THURGAR, of Norwich, in the County of Norfolk, for an invention for—"Improvements in the manufacture of overshoes." <i>Letters Patent sealed.</i>
AYDON. JERRAM. 25th September 1866.	2476. HARRISON AYDON, and GEORGE BASTALL JERRAM, both of Queen Street, Westminster, in the County of Middlesex, Civil Engineers, for an invention for—"Improvements in furnaces and in the method and apparatus for supplying such furnaces with fuel or other combustible matters." <i>Provisional protection only.</i>
GEDGE. 26th September 1866.	2477. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Certain improvements in looms for weaving gauzes and other fancy goods."— <i>A communication to him from abroad by Louis Joseph Gras, Charles Isaac Dumontier, and Léon Gras, senior, all of 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection NOT granted.</i>
AMEY. 26th September 1866.	2478. THOMAS AMEY, of Petersfield, Hampshire, Dairy Farmer, for an invention for—"An improved process for preserving milk, and apparatus connected therewith." <i>Letters Patent sealed.</i>
SELLARS. 26th September 1866.	2479. JOHN CARRINGTON SELLARS, of Birkenhead, in the County of Chester, Manufacturing Chemist, for an invention for—"A new and improved metal-founders' blacking, and mode of treating or preparing the same." <i>Letters Patent sealed.</i>
BONNEVILLE. 26th September 1866.	2480. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in transmitting facsimile copies of writings and drawings by means of electric currents."— <i>A communication from Bernard Meyer, a person resident at Boulevard Montparnasse, No. 165, Paris, in the Empire of France, aforesaid.</i> <i>Letters Patent sealed.</i>

- BONNEVILLE.**
26th September 1866. **2481.** HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for carding wool and other fibrous materials."—*A communication from Celestin Martin, a person resident at Pepinster, Verviers, in the Kingdom of Belgium, Manufacturer.*
Letters Patent sealed.
- BONNEVILLE.**
26th September 1866. **2482.** HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for weaving wool and other fibrous materials."—*A communication from Celestin Martin, a person resident at Pepinster, Verviers, in the Kingdom of Belgium, Manufacturer.*
Letters Patent sealed.
- BONNEVILLE.**
26th September 1866. **2483.** HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery for raising water."—*A communication from Guillaume Saint Romas, a person residing at Montmartre, in the Empire of France, aforesaid.*
Complete specification; Letters Patent sealed.
- HASELTINE.**
26th September 1866. **2484.** GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved bronzing machine."—*A communication to him from abroad by John Knox Lowe, of Cleveland, Ohio, United States of America.*
Complete specification; Letters Patent sealed.
- JOHNSON.**
26th September 1866. **2485.** JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in taps or cocks for water and other fluids."—*A communication to him from abroad by William Moodie, of the City of Montreal, in the Province of Canada.*
Letters Patent sealed.
- BETTS.**
26th September 1866. **2486.** JOHN YELDHAM BETTS, of Coventry, in the County of Warwick, Corn Factor, for an invention for—"An improved mode of and apparatus for drying corn and other agricultural produce, in the straw." *Letters Patent sealed.*
- WOOD.**
26th September 1866. **2487.** JAMES TEMPLETON WOOD, of the Inner Temple, Barrister-at-Law, for an invention for—"Improvements in the means of and apparatus for compressing and packing cotton, wool, jute and other similar bulky articles." *Provisional protection only.*
- BROCKBANK.**
26th September 1866. **2488.** GEORGE HENRY BROCKBANK, of Great College Street, Camden Town, in the County of Middlesex, Pianoforte Manufacturer, for an invention for—"Improvements in the manufacture of pianofortes." *Provisional protection only.*
- BOULTON.**
26th September 1866. **2489.** MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, Esquire, for an invention for—"Improvements in apparatus for employing the motive-power of jets of fluid." *Provisional protection only.*
- JOHNSON.**
GRIFFIN.
26th September 1866. **2490.** ALBERT FRANCIS JOHNSON, of Boston, in the County of Suffolk, and MOSES PORTER GRIFFIN, of Medford, in the County of Middlesex, and State of Massachusetts, of the United States of America, for an invention for—"Improvements in machinery or apparatus for the cutting of files or the formation or making of their teeth." *Complete specification; Letters Patent sealed.*
- CLARK.**
26th September 1866. **2491.** WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the collection and delivery of letters, parcels and other freight, and in apparatus for the same."—*A communication to him from abroad by Alfred Ely Beach, of Stratford, in the County of Fairfield, and State of Connecticut, United States of America.*
Letters Patent sealed.
- CORSON.**
27th September 1866. **2492.** WILLIAM REID CORSON, of the City of Manchester, Architect, for an invention for—"Improvements in affixing knobs or handles to the spindles of door furniture." *Letters Patent sealed.*
- LYTHGOE.**
27th September 1866. **2493.** THOMAS LYTHGOE, of the City of Manchester, in the County of Lancaster, Builder, for an invention for—"Improvements in water-closets, ash-pits, cesspools and similar places." *Provisional protection only.*

BURGUM. 27th September 1866.	2494. JOHN BURGUM, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in puddling and heating furnaces, and other furnaces used in the manufacture of iron and steel." <i>Provisional protection only.</i>
BAYLEY. CAMPBELL. 27th September 1866.	2495. JOHN CLOWES BAYLEY, and DANIEL CAMPBELL, both of 5, Robert Street, Adelphi, in the County of Middlesex, for an invention for—"Improvements in the sheathing of iron ships." <i>Provisional protection only.</i>
NEWTON. 27th September 1866.	2496. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improvement in the process of distilling petroleum and other oils."— <i>A communication to him from abroad by Orazio Lugo and Theodore Otto Ludwig Schrader, both of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
GILLES. 27th September 1866.	2497. HENRY ERNEST GILLES, of 39, Old Broad Street, in the City of London, for an invention for—"Improvements in processes and machinery for producing fibres suitable for being spun, from rags or remnants of woven or other textile fabrics made of silk, wool, cotton or other fibrous materials." <i>Letters Patent sealed.</i>
THIBAULT. 27th September 1866.	2498. JOSEPH EUGENE THIBAULT, of Brydges Street, Covent Garden, in the County of Middlesex, for an invention for—"Improved means or appliances for preventing ships or vessels from foundering, by imparting additional buoyancy thereto." <i>Letters Patent sealed.</i>
BUNNING. 27th September 1866.	2499. THEOPHILUS WOOD BUNNING, of the Town and County of Newcastle-upon-Tyne, for an invention for—"Improvements in drifting and rivetting machines." <i>Letters Patent sealed.</i>
SLATER. 27th September 1866.	2500. GEORGE SLATER, of No. 130, St. John's Road, Hoxton, in the County of Middlesex, Engineer, for an invention for—"Improvements in churns." <i>Letters Patent sealed.</i>
CHAUFOURIER. 27th September 1866.	2501. JULES ALFRED CHAUFOURIER, of 29, Boulevard St. Martin, Paris, in the Empire of France, Advocate, for an invention for—"A new or improved self-feeding cotton gin." <i>Letters Patent sealed.</i>
DALLMEYER. 27th September 1866.	2502. JOHN HENRY DALLMEYER, of 19, Bloomsbury Street, in the County of Middlesex, Optician, for an invention for—"Improvements in compound lenses suitable for photographic uses." <i>Letters Patent sealed.</i>
BIGELOW. 27th September 1866.	2503. ERASTUS BRIGHAM BIGELOW, of Boston, United States of America, for an invention for—"Improvements in power-looms." <i>Letters Patent sealed.</i>
DROMTRA. 27th September 1866.	2504. FRIEDRICH WILHELM CONSTANTIN DROMTRA, of Sise Lane, in the City of London, Wholesale Stationer, carrying on business under the style or designation of Gustavus Dromtra, for an invention for—"Improvements in the means of securing pocket books and other portable articles on the person."— <i>A communication to him from abroad by Theodore Neuscheller, of Dresden, in the Kingdom of Saxony.</i> <i>Letters Patent sealed.</i>
RIDLEY. PAWSON. BASKER. 28th September 1866.	2505. MATTHEW RIDLEY, WILLIAM PAWSON, and CHARLES BASKER, of the Earles Field Iron Works, Grantham, in the County of Lincoln, Engineers and Copartners, for an invention for—"Improvements in apparatus for raising and stacking straw and other agricultural produce." <i>Letters Patent sealed; no specification filed.</i>
BROUGHTON. BROUGHTON. 28th September 1866.	2506. JOSEPH BROUGHTON, of Leicester, in the County of Leicester, and JAMES BROUGHTON, of Lampton, in the County of Middlesex, Carpenters, for an invention for—"An improved washing machine." <i>Letters Patent sealed.</i>
RYAN. EGAR. 28th September 1866.	2507. WILLIAM RYAN, of Fishamble Street, in the City of Dublin, Machinist, and WILLIAM EGAR, of Westland Row, in the City of Dublin, Dentist, for an invention for—"An improved fire-escape." <i>Letters Patent sealed.</i>
JOHNSTONE. 28th September 1866.	2508. JOHN STUART JOHNSTONE, of Blairlogie, in the County of Perth, North Britain, Gentleman, for an invention for—"An improved means for producing motive-power, and the machinery or apparatus employed therefor." <i>Letters Patent sealed.</i>

- JOHNSON.**
28th September 1866. **2509. JOHN HENRY JOHNSON**, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in railway switches."—*A communication to him from abroad by Benjamin Shiverick and Thomas Luther Calkins, both of Philadelphia, Pennsylvania, in the United States of America.*
Provisional protection only.
- FOX.**
28th September 1866. **2510. CHARLES FOX**, of Clifton, in the City and County of Bristol, Gentleman, for an invention for—"A safety belt or apparatus for use in travelling, to prevent injuries from concussions or otherwise."
Provisional protection only.
- PRICE.**
28th September 1866. **2511. STROTHER PRICE**, of Highbury, in the County of Middlesex, for an invention for—"Improvements in apparatus for lifting or assisting to lift and for securing window sashes, shutters and other like frames and weights."
Letters Patent sealed.
- WOOD.**
WOOD.
28th September 1866. **2512. WILLIAM WOOD**, and **JAMES WILLIAM WOOD**, of Monkhill, near Pontefract, in the County of York, for an invention for—"Improvements in the manufacture of lozenges, and of Pomfret or liquorice cakes and other similar articles of confectionery, and in apparatus for the same."
Provisional protection only.
- CLARK.**
28th September 1866. **2513. WILLIAM CLARK**, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means of reproducing signs, characters and other marks, in the transmission of messages and signals by electric telegraph apparatus."—*A communication to him from abroad by Joseph de Susini, Gentleman, and Jean Marie Onésime Tamin, Doctor of Medicine, and Emile Bondonneau, Photographic Artist, all of 29, Boulevard St. Martin, Paris.*
Provisional protection only.
- CLARK.**
28th September 1866. **2514. WILLIAM CLARK**, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in electric telegraphs."—*A communication to him from abroad by Joseph de Susini, Gentleman, and Jean Marie Onésime Tamin, Doctor of Medicine, both of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- JOY.**
29th September 1866. **2515. DAVID JOY**, of Middlesbro'-on-Tees, in the County of York, Engineer, for an invention for—"Improvements in steam-engines."
Provisional protection only.
- IMHOF.**
29th September 1866. **2516. DANIEL IMHOF**, of No. 547, Oxford Street, in the County of Middlesex, Musical Instrument Maker, for an invention for—"Improvements in the machinery of chimes, applicable also to organs."
Letters Patent sealed.
- BONNEVILLE.**
29th September 1866. **2517. HENRI ADRIEN BONNEVILLE**, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"An improved apparatus for fitting garments."—*A communication from Silas Otis Brigham, a person resident at San Francisco, in the State of California, United States of America.*
Letters Patent sealed.
- GUEUNIER-LAURIAC.**
29th September 1866. **2518. JEAN GUEUNIER-LAURIAC**, of the Town of Le Creusot (Saone and Loire), in the Empire of France, Ironfounder, for an invention for—"Improvements in the process of casting iron cylinders, or any other cast iron pieces with hard metallic thickness or wrapper, and separately with white and grey iron, so that both kinds of casting are sticking together."
Letters Patent sealed.
- MARTIN.**
29th September 1866. **2519. PIERRE PAUL JOSEPH MARTIN**, of No. 77, Rue du Faubourg St. Martin, Paris, in the Empire of France, Merchant, for an invention for—"Improvements in cotton seed hullers or decorticating machines."
Letters Patent sealed.
- LA PENOTIÈRE.**
29th September 1866. **2520. WILLIAM LA PENOTIÈRE**, of Camden Road, Camden Town, in the County of Middlesex, Gentleman, for an invention for—"Certain improvements in fire-arms."
Letters Patent sealed.
- CLARK.**
29th September 1866. **2521. WILLIAM CLARK**, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for steering vessels."—*A communication to him from abroad by Maurice Aron, Merchant, of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.

WHITWORTH. 29th September 1866.	2522. JOSEPH WHITWORTH, of Manchester, Engineer, for an invention for—"Improvements in casting iron and steel, and in apparatus employed for this purpose." <i>Letters Patent sealed.</i>
HORNSBY. PHILLIPS. 29th September 1866.	2523. RICHARD HORNSBY, and JAMES EDWIN PHILLIPS, both of the Spittlegate Iron Works, Grantham, in the County of Lincoln, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
CHALMERS. 1st October 1866.	2524. JAMES CHALMERS, of No. 2, Bickerton Terrace, Haverstock Hill, for an invention for—"Improvements in bolts and washers." <i>Letters Patent sealed.</i>
HODGE. 1st October 1866.	2525. PAUL RAPSEY HODGE, of Number 106, Cannon Street, in the City of London, Civil Engineer, for an invention for—"Certain improvements in apparatus for the filtration of fluids." <i>Letters Patent sealed.</i>
DIX. 1st October 1866.	2526. ALEXANDER MILLS DIX, of Shelton, in the County of Stafford, Brewer, for an invention for—"Improvements in refrigerators." <i>Letters Patent sealed.</i>
CLARK. 1st October 1866.	2527. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in furnaces for treating metals and other matters."— <i>A communication to him from abroad by Louis Adolphe Bon, Gentleman, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
BATCHELOR. 1st October 1866.	2528. PERCIVAL ASHTON BATCHELOR, of No. 1, Eskdale Villas, Mostyn Road, Brixton, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction and arrangement of retorts and settings in combination with machinery or apparatus for the manufacture of coal or other gases." <i>Provisional protection only.</i>
REDMAN. 2nd October 1866.	2529. WILLIAM REDMAN, of Bank Foot, Hebden Bridge, in the County of York, Mule Spinner, for an invention for—"Improvements in machinery or apparatus for spinning cotton, silk and other fibrous substances." <i>Provisional protection only.</i>
BERNEY. 2nd October 1866.	2530. THOMAS BERNEY, of Bracon Hall, Bracon Ash, in the County of Norfolk, Clerk, for an invention for—"Improvements in the construction and use of projectiles and ordnance, and other arms." <i>Letters Patent sealed.</i>
TOLHAUSEN. 2nd October 1866.	2531. FREDERICK TOLHAUSEN, of 149, Boulevard Magenta, Paris, in the Empire of France, Patent Agent, for an invention for—"An improved manometrical sounding apparatus."— <i>A communication to him from Ernest Dubois, Civil Engineer, a person resident at Paris, aforesaid.</i> <i>Letters Patent sealed.</i>
CAVANAH. 3rd October 1866.	2532. JAMES CAVANAH, of 12, Rake Lane, Liverpool, for an invention for—"An improvement in water-closet cisterns and soil traps." <i>Letters Patent sealed.</i>
OETZMANN. 3rd October 1866.	2533. JOHN OETZMANN, of the Hampstead Road, St. Pancras, in the County of Middlesex, Bedding Manufacturer, for an invention for—"Improvements in the construction of mattresses." <i>Letters Patent sealed.</i>
BARKER. 3rd October 1866.	2534. DAVID BARKER, of Northfleet, in the County of Kent, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Letters Patent sealed.</i>
ROBERTSON. 3rd October 1866.	2535. MOSES PAUL ROBERTSON, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"An improved tie to be used in fastening bales of cotton and all merchandize to be packed and tied into bales."— <i>A communication to him from abroad by Charles William Wailey, Esquire, of the City of New Orleans, in the United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 3rd October 1866.	2536. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"The production and application of an imponderable fluid, together with the apparatus or means employed therein."— <i>A communication to him from abroad by Martin Ziegler, of Paris, France.</i> <i>Letters Patent sealed.</i>
WEST. 3rd October 1866.	2537. MATTHEW WEST, of Stevenage, in the County of Hertford, Tailor, for an invention for—"Improvements in fish-tail gas-burners." <i>Letters Patent sealed.</i>
DANIEL. 3rd October 1866.	2538. JOSEPH DANIEL, of Manchester, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in hydraulic presses." <i>Letters Patent sealed.</i>

- SWANN.
3rd October 1866. 2539. JOHN RUSSELL SWANN, of Windsor Cottage, Montgomery Street, Edinburgh, for an invention for—"Improvements in safety valves."
Letters Patent sealed.
- HOPE.
BROWNING.
3rd October 1866. 2540. WILLIAM HOPE, and HENRY BROWNING, both of Drayton Hall, West Drayton, in the County of Middlesex, for an invention for—"An improved composition to be substituted for ordinary paints."
Letters Patent sealed.
- FORSTER.
3rd October 1866. 2541. THOMAS FORSTER, of Streatham, in the County of Surrey, for an invention for—"Improvements in the manufacture of elastic mats and coverings for floors."
Letters Patent sealed.
- SPAGNOLETTI.
3rd October 1866. 2542. CHARLES ERNESTO SPAGNOLETTI, of the Telegraph Department, Great Western Railway, Paddington, in the County of Middlesex, Telegraphic Engineer, for an invention for—"Improvements in arranging and combining apparatus for communicating between the guard, engine driver and passengers in a railway train."
Provisional protection only.
- LANE.
3rd October 1866. 2543. EDWARD PYNE LANE, of Fosse Farm, Whitnash, in the County of Warwick, Farmer, for an invention for—"Improvements in reaping-machines."
Provisional protection only.
- WILSON.
3rd October 1866. 2544. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in the manufacture and construction of breech-loading fire-arms."
Provisional protection only.
- MORTIMER.
3rd October 1866. 2545. RUSSELL MORTIMER, of the firm of H. H. Mortimer and Company, of Nos. 10 and 25, Great Bush Lane, London, Wholesale Shipping Ironmongers and Merchants, for an invention for—"Improvements in instruments for marking or impressing railway tickets and for other like purposes."
Letters Patent sealed.
- FISHER.
3rd October 1866. 2546. HENRY FISHER, of Kenyon Terrace, Devonshire Road, Cloughton, near Birkenhead, in the County of Chester, Civil Engineer, for an invention for—"Improvements in boilers and boiler furnaces."
Provisional protection only.
- SCOTT.
3rd October 1866. 2547. WILLIAM DUNDAS SCOTT, of Greenock, in the County of Renfrew, North Britain, Engineer, for an invention for—"Improvements in raising vessels and in the machinery or apparatus employed therefor."
Provisional protection only.
- LAKE.
3rd October 1866. 2548. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in machinery for cutting files and rasps."—*A communication to him from abroad by Alfred Weed, of Boston, Massachusetts, United States of America.* *Complete specification; Letters Patent sealed.*
- LAKE.
3rd October 1866. 2549. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in file-cutting machinery."—*A communication to him from abroad by Alfred Weed, of Boston, Massachusetts, United States of America.* *Complete specification; Letters Patent sealed.*
- WRENCH.
3rd October 1866. 2550. JOHN HOLMES WRENCH, of 39, Gray's Inn Road, in the County of Middlesex, Optician, for an invention for—"Apparatus adapted to the representation of opaque objects to an enlarged scale."
Provisional protection only.
- DANIELL.
4th October 1866. 2551. JOHN WILLIAM DANIELL, of 54, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the construction and mode of propulsion of locomotive carriages, and in apparatus to be used in connection therewith."
Letters Patent sealed.
- WOLSTENHOLME.
PENDLEBURY.
4th October 1866. 2552. JOHN WOLSTENHOLME, of Radcliffe, in the County of Lancaster, and THOMAS PENDLEBURY, of the same place, for an invention for—"Improvements in tube and bar cutters, and in apparatus connected therewith."
Provisional protection only.
- CASPER.
4th October 1866. 2553. EDWARD CASPER, of No. 33, Poultry, in the City of London, Merchant, for an invention for—"Improvements in apparatus for extinguishing fires."—*A communication to him from abroad by François Carlier, of Boulogne-on-Seine, in the Empire of France, Doctor of Medicine.* *Provisional protection only.*

SEARLE. 4th October 1866.	2554. GEORGE ELLIOTT SEARLE, of East Stonehouse, in the County of Devon, Jeweller, for an invention for—"Improvements in ear-rings, which improvements may also be applied to the fastening of watch hooks and other articles of jewellery." <i>Letters Patent sealed.</i>
DODGE. 4th October 1866.	2555. GEORGE POMEROY DODGE, of No. 79, Upper Thames Street, in the City of London, for an invention for—"An improved mode of and apparatus for folding and shaping belts or bands of india-rubber (or compound consisting partly of india-rubber) and woven fabric." <i>Letters Patent sealed.</i>
COFFEY. 4th October 1866.	2556. JOHN AMBROSE COFFEY, of 32, Great Saint Helen's, in the City of London, Consulting Engineer, for an invention for—"Improved mechanical contrivances applicable to syphons, also adaptable in the production of pumps of improved construction." <i>Letters Patent sealed.</i>
DONISTHORPE. 4th October 1866.	2557. GEORGE EDMUND DONISTHORPE, of Leeds, in the County of York, for an invention for—"Improvements in machinery for washing wool, hair and other fibre." <i>Letters Patent sealed.</i>
SAUL. ARMSTRONG. 4th October 1866.	2558. DAVID HENRY SAUL, and HENRY PRITIE ARMSTRONG, both of Islington, in the County of Middlesex, Gentlemen, for an invention for—"Improvements in means or apparatus employed in carburetting gas." <i>Letters Patent sealed.</i>
JOHNSON. 4th October 1866.	2559. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in grate bars."— <i>A communication to him from abroad by Samuel Harrison, of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
UNDERWOOD. 4th October 1866.	2560. GEORGE UNDERWOOD, of the City of York, for an invention for—"Improvements applicable to boiling, steaming and cooking apparatus." <i>Provisional protection only.</i>
NEWTON. 4th October 1866.	2561. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of forming collars on metallic axles and other articles."— <i>A communication to him from abroad by William Allen, of Auburn, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
FERRABEE. 4th October 1866.	2562. JAMES FERRABEE, of Brimscombe Port Mills, near Stroud, in the County of Gloucester, Engineer, for an invention for—"Improved machinery for preparing wool and other fibrous substances." <i>Letters Patent sealed.</i>
KASELOWSKY. 4th October 1866.	2563. FERDINAND WILHELM KASELOWSKY, of Bielefeld, in the Kingdom of Prussia, Flax Spinner, for an invention for—"Improvements in apparatus for carding the tow of flax, hemp or jute and other fibrous substances, and separating the woody particles therefrom." <i>Letters Patent sealed.</i>
KASELOWSKY. 4th October 1866.	2564. FERDINAND WILHELM KASELOWSKY, of Bielefeld, in the Kingdom of Prussia, Flax Spinner, for an invention for—"Improvements in machinery for separating the woody part from the fibre of flax, hemp or other fibrous substances of the same nature." <i>Letters Patent sealed.</i>
PIERCE. 5th October 1866.	2565. DENISON CHAUNCEY PIERCE, of Clayton, Jefferson County, State of New York, at present residing at 31, Charing Cross, in the County of Middlesex, Captain, for an invention for—"Improvements in anchors." <i>Provisional protection only.</i>
CHAPMAN. 5th October 1866.	2566. JOHN COLE CHAPMAN, of No. 2, Stamp End, in the City of Lincoln, for an invention for—"Improvements in steam-engines, part of which invention is also applicable to fixing excentrics, cams or pulleys on to the shafts of other machinery." <i>Letters Patent sealed.</i>
SCHRÖDER. 5th October 1866.	2567. FREDERICK HILLS SCHRÖDER, of Bromley, in the County of Kent, Manager to the National Poultry Company (Limited), of Bromley, aforesaid, for an invention for—"Improvements in incubators or apparatus for hatching eggs, and in other heating apparatus, and in cooking and drying apparatus." <i>Provisional protection only.</i>
VALENTIN. BENSON. 5th October 1866.	2568. WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Chemist, and GEORGE HENRY BENSON, of Staleybridge, in the County of Chester, Mechanical Engineer, for an invention for—"Improvements in the manufacture of steel." <i>Letters Patent sealed.</i>

- BADCOCK.**
5th October 1866. 2569. JAMES BADCOCK, of Westmoreland Buildings, Aldersgate Street, in the City of London, for an invention for—"Improvements in the manufacture of ornaments for the wrist."
Provisional protection only.
- GARSDIE.**
6th October 1866. 2570. HENRY GARSDIE, of Coupland Street, in the City of Manchester, and County of Lancaster, Engineer and Machinist, for an invention for—"Improvements in machinery or apparatus for marking, etching or engraving on cylindrical and other surfaces."
Provisional protection only.
- GORDON.**
6th October 1866. 2571. GEORGE GORDON, of San Francisco, California, at present residing at Morley's Hotel, Charing Cross, in the County of Middlesex, for an invention for—"An improved system or process of treating animal charcoal used in the purification of sugar, and also improved apparatus to be employed in such process."
Letters Patent sealed.
- DENNIS.**
6th October 1866. 2572. WILLIAM DENNIS, of 57, Aldermanbury, in the City of London, Merchant, for an invention for—"Improvements in the construction of bottles intended to contain malt liquors and other liquids, and in the mode of stoppering, unstoppering and drawing off the contents thereof, the said stoppers being also applicable to bottles of the ordinary kind and other vessels employed to contain liquids, fluids and gases, either separately or in combination."
Provisional protection only.
- HICKLING.**
6th October 1866. 2573. WILLIAM EDWIN HICKLING, of Market Street, Leicester, in the Borough of Leicester, for an invention for—"Improved machinery or apparatus for washing bottles."
Letters Patent sealed.
- DEACON.**
6th October 1866. 2574. SIMEON DEACON, of the Kennet Iron Works, Reading, in the County of Berks, for an invention for—"Improvements in the construction of certain parts of oscillating steam-engines."
Letters Patent sealed.
- LICHTENSTADT.**
6th October 1866. 2575. ELISABETH LICHTENSTADT, of Bermondsey Road, in the County of Surrey, for an invention for—"Improvements in the arrangement and construction of lamps for burning volatile oils or spirits, and in the preparation of the materials for burning in such lamps."—*A communication to her from abroad by Philip Lichtenstadt, of New York, United States of America.*
Provisional protection only.
- BURGESS.**
6th October 1865. 2576. JOHN BURGESS, of the firm of John Burgess and Sons, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in crochet needles and in the handles of crochet needles."
Provisional protection only.
- LEATHER.**
6th October 1866. 2577. SAMUEL LEATHER, of Dalton, near Huddersfield, in the County of York, Manufacturer, for an invention for—"Improvements in the manufacture of certain articles of dress or wearing-apparel, such as coats, trousers, vests, jackets, mantles, cloaks, shirts, drawers and similar articles."
Provisional protection only.
- CLARK.**
6th October 1866. 2578. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in hoisting apparatus and cars for mining purposes."—*A communication to him from abroad by George Williams, of Sterling, in the County of Park, and Territory of Colorado, United States of America.*
Letters Patent sealed.
- CLARK.**
6th October 1866. 2579. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in fastenings for purses, cigar cases, travelling bags and other similar articles."—*A communication to him from abroad by Joseph Schoenfeld, Bag Manufacturer, of 29, Boulevard St. Martin, Paris.*
Letters Patent sealed.
- VON DER POPPENBURG.**
6th October 1866. 2580. JOHANN VON DER POPPENBURG, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms, and in cartridges for breech-loading fire-arms."
Letters Patent sealed.
- RIPLEY.**
8th October 1866. 2581. ABRAHAM RIPLEY, of 34, West Square, Southwark, in the County of Surrey, Engineer, for an invention for—"Improvements in the construction of water meters, which improvements are also applicable to the measuring of liquids generally."
Letters Patent sealed.
- ROBERTS.**
8th October 1866. 2582. JOHN HENRY ROBERTS, of Camberwell, in the County of Surrey, Gentleman, for an invention for—"A new or improved fastening for windows and other places."
Letters Patent sealed.

GEDGE. 8th October 1866.	2583. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved tilt hammer."— <i>A communication to him from abroad by Philippe Tisserand, of 39, Faubourg St. Martin, Paris, France.</i> <i>Provisional protection only.</i>
STAR. 8th October 1866.	2584. MORITZ STAR, of Liverpool, in the County of Lancaster, for an invention for—"Improvements applicable to caps and other coverings for the head, for naval, military and general use." <i>Provisional protection only.</i>
HASELTINE. 8th October 1866.	2585. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of leather binding."— <i>A communication to him from abroad by Matthew Henry Merriam and Eugene Lindsey Norton, both of Charlestown, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
ROBERTSON. 8th October 1866.	2586. JAMES ROBERTSON, of Liverpool, in the County of Lancaster, for an invention for—"Improvements in furnaces or fire-places, and in the fire-bars to be used therein." <i>Letters Patent sealed.</i>
JOHNSON. 8th October 1866.	2587. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved mode of treating stale bread and biscuits with a view to restoring their freshness."— <i>A communication to him from abroad by Charles Vitoux and Alfred Braconnier, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
NEWELL. 8th October 1866.	2588. BENJAMIN COLLINS NEWELL, of Cheltenham, in the County of Gloucester, Pianoforte Manufacturer, for an invention for—"Improvements in pianofortes." <i>Provisional protection only.</i>
CLARK. 8th October 1866.	2589. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in central-fire percussion cartridges."— <i>A communication to him from abroad by Jules Félix Gévelot, Manufacturer, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
NEWTON. 8th October 1866.	2590. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in atmospheric engines."— <i>A communication to him from abroad by David Dick, of Meadville, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 8th October 1866.	2591. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in steam-engines."— <i>A communication to him from abroad by Alexandre Damas Marge, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BETJEMANN. BETJEMANN. BETJEMANN. 8th October 1866.	2592. GEORGE BETJEMANN, GEORGE WILLIAM BETJEMANN, and JOHN BETJEMANN, all of 36 and 38, Pentonville Road, in the County of Middlesex, for an invention for—"Improvements in the manufacture of articles commonly called 'writing' or 'library sets,' and other similar articles." <i>Provisional protection NOT granted.</i>
BOUSFIELD. 8th October 1866.	2593. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in separating sulphur from soda waste."— <i>A communication to him from abroad by the inventor, Panajota Wilhelm Hofmann, a person resident at Dieuze, in the Empire of France, Ph. D., Chemist.</i> <i>Letters Patent sealed.</i>
BOUSFIELD. 8th October 1866.	2594. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in brick making machines."— <i>A communication to him from abroad by Antoine McNair, a person resident at the City of New York, United States of America.</i> <i>Provisional protection only.</i>
GREENING. 9th October 1866.	2595. JOSEPH GREENING, of the firm of Greening and Company, Limited, of Manchester, in the County of Lancaster, Manufacturers of Iron and Wire Fences, for an invention for—"Improvements in folding fencing." <i>Letters Patent sealed.</i>
BAKER. 9th October 1866.	2596. JAMES WOOD BAKER, of No. 28, Moorgate Street, in the City of London, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for spinning cotton and other fibrous materials" <i>Letters Patent sealed.</i>

MONNIN. BOSC. BOISSENOT. 9th October 1866.	2597. JEAN MONNIN, CHARLES BOSC, and CLAUDE ANTOINE BOISSENOT, of 2, Rue Sainte Appoline, Paris, Empire of France, Gentlemen, for an invention for—"Improvements in carriage indicators, stating the distance travelled, the time when they have been hired or not, and if they are hired or not." <i>Letters Patent sealed.</i>
FORBES. 9th October 1866.	2598. HUGH FORBES, of 184, Euston Road, N.W., Parish of St. Pancras, County of Middlesex, for an invention for—"Improvements in apparatus for the raising and propelling of water or other fluids, applicable likewise as a ship propeller, motive-power, fan, meter and for other purposes." <i>Letters Patent sealed.</i>
GEDGE. 9th October 1866.	2599. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved funnel."— <i>A communication to him from abroad by Emile de Fages de Latour, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
GEDGE. 9th October 1866.	2600. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in the cutting out of boots, shoes and gaiters of all kinds."— <i>A communication to him from abroad by Camille Mouchonay-Sirand, of 39, Faubourg St. Martin, Paris, France.</i> <i>Provisional protection only.</i>
MIRFIELD. SCOTT. 9th October 1866.	2601. MATTHEW MIRFIELD, of Holme Lane Mills, Tong, near Bradford, in the County of York, Worsted Top Maker, and JOHN SCOTT, of the same place, Overlooker, for an invention for—"Improvements in machinery or apparatus for combing wool or other fibrous substances." <i>Letters Patent sealed.</i>
HUGHES. 9th October 1866.	2602. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"Improvements in filtering presses for expressing the liquid parts and retaining the solid parts of any semi-liquid substances."— <i>A communication to him from abroad by Pierre du Rieux and Edouard Roettger, of Lille, in the Empire of France, Civil Engineer.</i> <i>Provisional protection only.</i>
CONLONG. 9th October 1866.	2603. JAMES CONLONG, of Blackburn, in the County of Lancaster, for an invention for—"Improvements in preparing fibrous materials to be spun, parts of which are applicable to the warping of yarns or threads, and other parts to the washing of yarns and textile fabrics." <i>Letters Patent sealed.</i>
PERRY. 9th October 1866.	2604. CHARLES PERRY, of the firm of John Perry, of Shipley, near Bradford, in the County of York, Manufacturer of Wool Combing Machines, for an invention for—"An improved machine for flattening hackle pins or comb teeth employed in machines for combing wool or other fibrous substances." <i>Provisional protection only.</i>
VICARS. VICARS. SMITH. 9th October 1866.	2605. THOMAS VICARS the elder, and THOMAS VICARS the younger, both of Liverpool, in the County of Lancaster, Engineers, and JAMES SMITH, of the same place, Baker, for an invention for—"Improvements in and applicable to that class of furnace fire-grates on which the fuel is made to travel." <i>Provisional protection only.</i>
SHINNER. 9th October 1866.	2606. GEORGE WILLIAM SHINNER, of the Strand, in the County of Middlesex, for an invention for—"Improvements in the means of and apparatus for utilizing sewage matters and liquids." <i>Letters Patent sealed.</i>
OUTRAM. 9th October 1866.	2607. THOMAS OUTRAM, of Grutland, near Halifax, in the County of York, for an invention for—"Improvements in the manufacture of cast iron." <i>Letters Patent sealed.</i>
DUDGEON. 9th October 1866.	2608. WILLIAM DUDGEON, of 10, London Street, Fenchurch Street, in the City of London, for an invention for—"Improvements in constructing ships or vessels propelled by twin propellers, and in steam-engines for giving motion to the same." <i>Letters Patent sealed.</i>
HILL. 9th October 1866.	2609. CHARLES JOHN HILL, of 6, Albany Street, Regent's Park, in the County of Middlesex, Engraver, for an invention for—"Improvements in machinery or apparatus for the production of reduced copies of medallions and matrices, and for preparing the cutting tools for that purpose." <i>Letters Patent sealed.</i>

BRADBURY. 9th October 1866.	2610. GEORGE FRANCIS BRADBURY, of the firm of Bradbury and Company, of Wellington Iron Works, Oldham, in the County of Lancaster, Sewing Machine Makers, for an invention for—"Improvements in sewing-machines."— <i>A communication to him from abroad by Thomas Antoney Macaulay, of the City and State of New York, United States of America.</i> <i>Provisional protection only.</i>
McCURD. 9th October 1866.	2611. CLAVERHOUSE ALFRED McCURD, of Featherstone Street, in the County of Middlesex, Gentleman, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
BENSON. VALENTIN. 9th October 1866.	2612. GEORGE HENRY BENSON, of Staleybridge, in the County of Chester, Engineer, and WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Chemist, for an invention for—"Improvements in the melting and casting of steel, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
PITT. 9th October 1866.	2613. GEORGE PITT, of Birmingham, in the County of Warwick, Bedstead Maker, for an invention for—"Improvements in uniting and securing together or ornamenting certain parts of metal bedsteads and other furniture in metal, and also in the formation of screens, grilles and metal railing." <i>Letters Patent sealed.</i>
BENSON. VALENTIN. 9th October 1866.	2614. GEORGE HENRY BENSON, of Staleybridge, in the County of Chester, Engineer, and WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Chemist, for an invention for—"Improvements in the manufacture of malleable iron and steel, and in the apparatus employed in such manufacture." <i>Letters Patent sealed.</i>
PEYTON. 9th October 1866.	2615. EDWARD PEYTON, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of printing rollers or cylinders." <i>Letters Patent sealed.</i>
BENSON. VALENTIN. 9th October 1866.	2616. GEORGE HENRY BENSON, of Staleybridge, in the County of Chester, Engineer, and WILLIAM GEORGE VALENTIN, of the Royal College of Chemistry, Chemist, for an invention for—"Improvements in the manufacture of iron and steel, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
WARWICK. 10th October 1866.	2617. JAMES WARWICK, of No. 49, Rutland Street, in the City of Manchester, Sewing Machine Maker, for an invention for—"Improvements in sewing-machines." <i>Letters Patent sealed.</i>
WILSON. 10th October 1866.	2618. LEWIS WILSON, of Norfolk Street, Strand, in the County of Middlesex, Gentleman, for an invention for—"Improvements in heating baths and in apparatus for the same." <i>Provisional protection only.</i>
MYERS. 10th October 1866.	2619. MICHAEL MYERS, of Wigmore Street, Cavendish Square, in the County of Middlesex, for an invention for—"Improvements in the construction of trunks, portmanteaus and boxes, parts of which improvements are also applicable to other useful purposes." <i>Letters Patent sealed.</i>
BULLOUGH. 10th October 1866.	2620. JOHN BULLOUGH, of Accrington, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
MANBY. 10th October 1866.	2621. WILLIAM MANBY, of Wolverhampton, in the County of Stafford, Gentleman, for an invention for—"Improvements in apparatus for preventing injury to persons in railway trains."— <i>A communication to him from abroad by The Baron Von Roesgen Von Floss, of The Hague, in the Kingdom of Holland.</i> <i>Provisional protection only.</i>
SYME. 10th October 1866.	2622. JAMES SYME, of 58, Rose Street, Garnet Hill, Glasgow, in the County of Lanark, North Britain, Agent, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
BRANDON. 10th October 1866.	2623. ALEXANDER HORACE BRANDON, of No. 13, Rue Gaillon, Paris, in the Empire of France, for an invention for—"Certain new and useful improvements in electrical apparatus."— <i>A communication to him from George Lionel Leclanché, Civil Engineer, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>

- PIDDING.
11th October 1866. 2624. WILLIAM PIDDING, of Cancel Street, Walworth, in the County of Surrey, Gentleman, for an invention for—"Improvements in treating and preparing threads, cords, twists, yarns, strands, plaits, strings or other materials, and in connecting them with certain apparatuses for use in sewing, stitching and other purposes, and in the winders or reels on which they may be placed and in the mode of placing them thereon, also in treating and preparing, and placing, connecting and fastening together textile and other fabrics or materials so as to be sewn, or stitched, or otherwise connected and fastened together, also in the mode of doing so, and in the textile and other fabrics thus manufactured, also in the machinery or apparatus connected or used therewith." *Provisional protection only.*
- WILSON.
11th October 1866. 2625. EDWARD BROWN WILSON, of Edinburgh, for an invention for—"Improvements in furnaces." *Letters Patent sealed.*
- LAZONBY.
11th October 1866. 2626. RICHARD EDMUND LAZONBY, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for opening and cleaning wool and other fibrous materials."—*A communication to him from abroad by Charles G. Sargent, of Graniteville, Massachusetts, United States of America.* *Provisional protection only.*
- HADFIELD.
11th October 1866. 2627. GEORGE HADFIELD, of Lancaster, in the County of Lancaster, Engineer, for an invention for—"Improvements in furnaces and cupolas." *Provisional protection only.*
- CRICHTON.
DONBAVAND.
CRICHTON.
11th October 1866. 2628. DAVID CRICHTON, WILLIAM DONBAVAND, and DUNCAN CRICHTON, of the City of Manchester, in the County of Lancaster, Machinists, for an invention for—"Improvements in looms for weaving." *Letters Patent sealed.*
- ROWE.
11th October 1866. 2629. DANIEL ROWE, of Wokingham, in the County of Berks, for an invention for—"An improved toy." *Provisional protection only.*
- NEWTON.
11th October 1866. 2630. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in sewing-machines."—*A communication to him from abroad by Elias Howe, junior, of the City of New York, United States of America.* *Letters Patent sealed.*
- BOLLANS.
11th October 1866. 2631. ROBERT HENRY BOLLANS, of York, in the County of York, Brazier, for an invention for—"Improved apparatus for administering vapour baths and fomentations." *Provisional protection only.*
- WATSON.
11th October 1866. 2632. WILLIAM WATSON, of 35, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in provision safes." *Provisional protection only.*
- MESSER.
11th October 1866. 2633. HENRY MESSER, of No. 1, Northumberland Court, Charing Cross, in the County of Middlesex, Engineer, for an invention for—"Improvements in heated air-engines." *Provisional protection only.*
- EVANS.
11th October 1866. 2634. ISAAC MARK EVANS, of Delf, near Ruabon, in the County of Denbigh, in Wales, for an invention for—"An improved apparatus for preventing explosions in steam-boilers." *Provisional protection only.*
- JONES.
11th October 1866. 2635. HARRY JONES, of Portland Place, in the Parish of Marylebone, in the County of Middlesex, for an invention for—"An improved portable bath." *Letters Patent sealed.*
- COOKE.
12th October 1866. 2636. HENRY JOHN COOKE, of Crumlin, in the County of Monmouth, in England, for an invention for—"An improved bolt and rivet and nut making machine." *Provisional protection only.*
- BANCROFT.
12th October 1866. 2637. JAMES MASSEY BANCROFT, of Ashton-under-Lyne, in the County of Lancaster, for an invention for—"Certain improvements in canisters or receptacles for containing tobacco." *Provisional protection only.*
- EVANS.
12th October 1866. 2638. DAVID EVANS, of Studley, in the County of Warwick, Needle Manufacturer, for an invention for—"Certain improvements in the manner of papering needles, and in wrappers or envelopes for the same." *Letters Patent sealed.*

DAWSON. 12th October 1866.	2639. EDWARD CONYERS DAWSON, of Lymington, in the County of Hants, Gentleman, for an invention for—"Improvements in cases for holding preserved meat and other substances." <i>Provisional protection only.</i>
HUGHES. 12th October 1866.	2640. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"An improved system of spinning the silk from the cocoons of silk worms, and for the machinery or apparatus employed therein."— <i>A communication to him from abroad by Jean Meille, of Villeurbanne, in the Empire of France.</i> <i>Provisional protection only.</i>
GRÜNE. 12th October 1866.	2641. WILHELM GRÜNE, of Berlin, in the Kingdom of Prussia, Manufacturer, for an invention for—"Developing invisible photographs by the action of the ammonia vapours evolved from tobacco, and improvements in cigar tubes or holders and tobacco pipes for holding the said photographs." <i>Provisional protection only.</i>
WYLEY. 12th October 1866.	2642. ANDREW WYLEY, of Barker Street, Aston Manor, in the County of Warwick, Geological Surveyor, for an invention for—"Improvements in breech-loading fire-arms and bayonets for the same." <i>Provisional protection only.</i>
PATTERSON. 12th October 1866.	2643. JOHN PATTERSON, of Beverley, in the County of York, Engineer, for an invention for—"Improvements in mills for grinding, crushing, splitting and hulling or shelling grain and other substances." <i>Provisional protection only.</i>
POLLARD. WHITEHEAD. WHITEHEAD. WILLIAMSON. 12th October 1866.	2644. JOHN POLLARD, of Leeds, in the County of York, Machine Maker, THOMAS WHITEHEAD, of Leeds, aforesaid, Machine Maker, JOHN WHITEHEAD, of Leeds, aforesaid, Mechanic, and VALENTINE WILLIAMSON, of Leeds, aforesaid, Mechanic, for an invention for—"Improvements in machinery for combing wool and other fibrous substances." <i>Provisional protection only.</i>
BEANES. 12th October 1866.	2645. EDWARD BEANES, of No. 26, Priory Road, Kilburn, in the County of Middlesex, Gentleman, for an invention for—"Improvements in refining or decolorizing sugar and syrup." <i>Letters Patent sealed.</i>
BUERK. 12th October 1866.	2646. JACOB EDWARD BUERK, of Boston, Massachusetts, United States of America, now of No. 97, Cheapside, in the City of London, for an invention for—"An improved detecting apparatus for registering the time of watchmen, mechanics and other employés." <i>Complete specification; protection for six months only.</i>
CLARK. 12th October 1866.	2647. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in heating and warming rooms and other buildings, and in apparatus for the same."— <i>A communication to him from abroad by Louis Marie Anez, Architect, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
SAGAR. RICHMOND. 13th October 1866.	2648. THOMAS SAGAR, Machine Maker, and THOMAS RICHMOND, Manufacturer, both of Burnley, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Provisional protection only.</i>
BODMER. 13th October 1866.	2649. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Engineer and Patent Agent, for an invention for—"An improved machine for cleaning and carding wool, cotton and other fibrous substances."— <i>A communication to him from abroad by Paul Gauchez, of Angecourt, near Sedan (Ardennes), in the Empire of France.</i> <i>Letters Patent sealed.</i>
BODMER. 13th October 1866.	2650. LOUIS RUDOLPH BODMER, of 2, Thavies Inn, Holborn, in the City of London, Engineer and Patent Agent, for an invention for—"The application of enamel to certain friction surfaces of looms for weaving."— <i>A communication to him from abroad by Edmond Sée and Paul Sée, both of Roubaix (Nord), in the Empire of France.</i> <i>Letters Patent sealed.</i>
GREENWOOD. 13th October 1866.	2651. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"An improved manufacture of trenail." <i>Provisional protection only.</i>
ALBINI. BRAENDLIN. 13th October 1866.	2652. AUGUSTO ALBINI, of Genoa, and also of No. 1, New Broad Street Buildings, in the City of London, Captain in the Italian Navy, and FRANCIS AUGUSTUS BRAENDLIN, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>

BOXER. 13th October 1866.	2653. EDWARD MOUNIER BOXER, of the Royal Arsenal, Woolwich, in the County of Kent, Colonel Royal Artillery, for an invention for—"Improvements in cartridges for breech-loading fire-arms." <i>Letters Patent sealed.</i>
ROSSETTER. 13th October 1866.	2654. WILLIAM ROSSETTER, of Accrington, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
COLLINS. 13th October 1866.	2655. SMITH COLLINS, of the City and County of New Haven, State of Connecticut, United States of America, for an invention for—"Improvements in tires for carriage wheels." <i>Letters Patent sealed.</i>
DALE. DALE. 13th October 1866.	2656. JOHN DALE, and JOHN GALLEMORE DALE, of the City of Manchester, in the County of Lancaster, Chemists, for an invention for—"Improvements in sulphuring yarns and fabrics." <i>Letters Patent sealed.</i>
WREY. 13th October 1866.	2657. WILLIAM LONG WREY, of Northumberland Street, Strand, in the County of Middlesex, for an invention for—"Improvements in the construction of ships and vessels with a view to speed and buoyancy." <i>Letters Patent sealed.</i>
MEYER. WAINWRIGHT. PASCOE. 13th October 1866.	2658. FREDERICK MEYER, and WILLIAM WAINWRIGHT, junior, of Paradise Street, Lambeth, and THOMAS PHILLIPSON PASCOE, of Albany Road, Camberwell, in the County of Surrey, for an invention for—"Improvements in the manufacture of candles and in moulds employed in such manufacture." <i>Letters Patent sealed.</i>
LAKE. 15th October 1866.	2659. GEORGE LAKE, junior, of the Irwell Sizing Works, in the City of Manchester, for an invention for—"Improvements in and apparatus for sizing cotton warps." <i>Letters Patent sealed.</i>
GILES. 15th October 1866.	2660. JOHN GILES, of Birmingham, in the County of Warwick, Malleable Ironfounder, for an invention for—"An improvement or improvements in the manufacture of certain descriptions of nails, tacks and pins." <i>Letters Patent sealed.</i>
HOLNESS. 15th October 1866.	2661. STEPHEN HOLNESS, of No. 2, Albany Terrace, Victoria Park, in the County of Middlesex, for an invention for—"Improvements in the mode or means of rotating brushes or other articles for which a circular or revolving motion is required." <i>Provisional protection only.</i>
WRIGHT. 15th October 1866.	2662. JOHN WRIGHT, of Birmingham, in the County of Warwickshire, Manufacturer, for an invention for—"Improvements in ornamenting bedsteads." <i>Provisional protection NOT granted.</i>
STEVENS. 15th October 1866.	2663. EBENEZER STEVENS, of No. 19, Church Street, Islington, in the County of Middlesex, for an invention for—"Improvements in forks, steels and knife sharpeners." <i>Provisional protection only.</i>
GILSON. 15th October 1866.	2664. DAVID GILSON, of 44, Forston Street, New North Road, in the County of Middlesex, Machinist, for an invention for—"Improvements in means or apparatus for smoothing, pressing, finishing or ironing fabrics, part of which improvements is also applicable to heating rollers used in calendering and finishing fabrics." <i>Letters Patent sealed.</i>
NEWMAN. 15th October 1866.	2665. PHILIP HARRY NEWMAN, of Rathbone Place, in the County of Middlesex, Artist, for an invention for—"Improvements in the manufacture of coloured glass windows and other translucent surfaces." <i>Provisional protection only.</i>
LAKE. 15th October 1866.	2666. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus for tapping beer casks and other like vessels containing liquids under pressure."— <i>A communication to him from abroad by Thomas Marsh, of Central Falls, Smithfield, Rhode Island, United States of America.</i> <i>Letters Patent sealed.</i>
GRIFFITHS. BEARD. 16th October 1866.	2667. JOHN GRIFFITHS, of Sheepbridge Iron Works, near Chesterfield, in the County of Derby, Manager of Iron Works, and JOHN BEARD, of Bilston, in the County of Stafford, Iron Master, for an invention for—"Improvements in furnaces and in constructing and actuating the moveable fire-bars of furnaces." <i>Letters Patent sealed.</i>
BLAIN. 16th October 1866.	2668. JAMES BLAIN, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in finishing yarns and threads used for weaving and sewing purposes." <i>Letters Patent sealed.</i>

BOUSFIELD. 16th October 1866.	2669. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of green and blue coloring matters."— <i>A communication to him from abroad by Alcide Poirrier and Charles Chappat, fils, persons resident at 23, Rue d'Hauteville, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
GORE. 16th October 1866.	2670. WILLIAM HENRY POSTLETHWAITE GORE, of 14, Langham Street, Portland Place, in the County of Middlesex, Esquire, for an invention for—"Improvements in 'Hansom cabs,' parts of which improvements are equally applicable to other wheeled carriages." <i>Letters Patent sealed.</i>
SWAN. 16th October 1866.	2671. ALEXANDER SWAN, of Kircaldy, in the County of Fife, Manufacturer, for an invention for—"Improvements in and in apparatus for evaporating or recovering lees." <i>Letters Patent sealed.</i>
SMITH. ROWE. 16th October 1866.	2672. JOHN SMITH, of No. 27, Leadenhall Street, in the City of London, Engineer, and JAMES JOHN ROWE, of Rotherhithe Street, Rotherhithe, in the County of Surrey, Engineer, for an invention for—"Improvements in taps or cocks for regulating the flow of fluids." <i>Letters Patent sealed.</i>
NEWTON. 16th October 1866.	2673. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the construction of steam-boilers."— <i>A communication to him from abroad by Henry Feyh and George Towle Emery, of Columbus, in the State of Ohio, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 16th October 1866.	2674. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of reflectors."— <i>A communication to him from abroad by William Henry Winder, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
WOODWARD. 16th October 1866.	2675. THOMAS WOODWARD, of Ledbury, in the County of Hereford, for an invention for—"Improvements in machinery or apparatus for raising or elevating sewage water and other liquid matters, also applicable as a means of affording motive-power from water." <i>Letters Patent sealed.</i>
NAPIER. 16th October 1866.	2676. ROBERT NAPIER, of Glasgow, Engineer and Shipbuilder, for an invention for—"Improvements in building ships and vessels of war." <i>Letters Patent sealed.</i>
TONGUE. 17th October 1866.	2677. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in stamps, hammers and apparatus connected therewith, actuated by steam, compressed air or other æriform fluid, the said improvements being applicable to various purposes where percussive force is employed."— <i>A communication to him from abroad by Christopher Retallick James and Nathan Woodhull Condict, junior, both of Jersey City, in the County of Hudson, and State of New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
HARVEY. 17th October 1866.	2678. WILLIAM HARVEY, of Number Ten, Albert Terrace, Knightsbridge, London, England, for an invention for—"A new stage carriage, to be called 'the A. l omnibus.'" <i>Complete specification; Letters Patent sealed.</i>
BRÖNNER. 17th October 1866.	2679. JULIUS BRÖNNER, of Frankfort-on-the-Main, Prussia, for an invention for—"Improved fixing of draught apparatuses and their respective supports on all kinds of gas-burners, and improved gas-burners and draught apparatuses in connection with that." <i>Complete specification; Letters Patent sealed.</i>
KESSLER. 17th October 1866.	2680. HEINRICH KESSLER, of Oberlahnstein, Germany, for an invention for—"An improved self-acting lubricator for the cylinders and slide-boxes of locomotives and other steam-engines." <i>Letters Patent sealed.</i>
SLESSOR. 17th October 1866.	2681. JOHN SLESSOR, of Glasgow, in the County of Lanark, North Britain, Distiller, for an invention for—"Improvements in distilling alcoholic spirits." <i>Letters Patent sealed.</i>
HATTERSLEY. SMITH. 17th October 1866.	2682. RICHARD LONGDEN HATTERSLEY, of the firm of George Hattersley and Sons, of Keighley, in the County of York, Machine Makers, and JOHN SMITH, of Sutton, in the same County, Manager, for an invention for—"Improvements in apparatus for working the healds employed in looms for weaving." <i>Provisional protection only.</i>

- HAMILTON.
17th October 1866. 2683. JOHN HAMILTON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"A new and improved fuel." *Provisional protection only.*
- COATES.
17th October 1866. 2684. JOHN COATES, of Pendleton, Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in packing for piston, valve, pump or other such rods or spindles." *Letters Patent sealed.*
- NEWTON.
17th October 1866. 2685. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the process of distilling petroleum and other oils or substances."—*A communication to him from abroad by Orazio Lugo and Theodore Otto Ludwig Schrader, both of the City of New York, in the United States of America.* *Provisional protection only.*
- GIRARD.
17th October 1866. 2686. CHARLES ADAM GIRARD, of 66, Rue des Ecoles, Paris, in the Empire of France, Chemist, for an invention for—"Improvements in the manufacture of blue coloring matter."—*The result partly of his own invention and partly of communications made to him from abroad by George de Laire, a person resident at Rue de Sévres, Paris, Chemist.* *Letters Patent sealed.*
- HASELTINE.
17th October 1866. 2687. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in means for preventing, indicating and correcting an undue degree of superheating of steam in steam-boilers, and for promoting an equality of temperature in the parts, for the more economical working thereof, and for the prevention of explosions."—*A communication to him from abroad by Norman Wiard, of Ancaster, County of Wentworth, Province of Canada, temporarily residing in the City of New York, United States of America.* *Complete specification; Letters Patent sealed.*
- MILLER.
18th October 1866. 2688. JAMES MILLER, of the City of Edinburgh, Scotland, Furnishing Ironmonger, for an invention for—"An improved machine for washing cloth and clothes." *Complete specification; Letters Patent sealed.*
- MANWARING.
18th October 1866. 2689. WILLIAM MANWARING, of the Britannia Iron Works, Banbury, in the County of Oxford, Engineer, for an invention for—"Improvements in reaping and mowing machines." *Letters Patent sealed.*
- GEORGE.
18th October 1866. 2690. BENJAMIN GEORGE GEORGE, of Hatton Garden, in the City of London, Lithographer, for an invention for—"Improvements in the manufacture of show-cards, bills or tablets for advertising purposes." *Provisional protection NOT granted.*
- DARBEL.
18th October 1866. 2691. ALEXANDRE RAYMOND FRANÇOIS NAZAIRE DARBEL, of No. 31, Rue d'Enghien, Paris, in the Empire of France, Medical Doctor, for an invention for—"Improvements in the manufacture of caustic soda." *Provisional protection only.*
- CHAPMAN.
18th October 1866. 2692. CHARLES CHAPMAN, of No. 3, Leadenhall Street, in the City of London, Master Mariner, for an invention for—"Improvements in the construction of ships for war purposes, applicable in part also to the construction of forts." *Provisional protection only.*
- GEDGE.
18th October 1866. 2693. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of Number 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Certain improvements applied to jacquard looms."—*A communication to him from abroad by Charles Devillaine, of Lyons, France, Merchant.* *Complete specification; Letters Patent sealed.*
- FURNIVAL.
18th October 1866. 2694. RICHARD FURNIVAL, of the City of Manchester, in the County of Lancaster, Braid Manufacturer, for an invention for—"Improvements in braiding machines." *Provisional protection only.*
- MENNONS.
18th October 1866. 2695. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of No. 27, Rue Laffitte, Paris, in the Empire of France, and 8, Southampton Buildings, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms and in cartridges for the same, part of which improvements are applicable to ordnance."—*A communication from Charles François Galand, a person resident at Liège, in the Kingdom of Belgium.* *Letters Patent sealed.*

GREW. MONEY. 18th October 1866.	2696. NATHANIEL GREW, of New Broad Street, in the City of London, Civil Engineer, and GEORGE HENRY MONEY, of Jermyn Street, in the City of Westminster, Lieutenant-Colonel, for an invention for—"Improved apparatus for separating liquid from solid substances." <i>Letters Patent sealed.</i>
EADES. EADES. 18th October 1866.	2697. WILLIAM EADES, and WILLIAM THOMAS EADES, both of Birmingham, in the County of Warwick, Machinists, for an invention for—"Improved bearings for shafts and axles." <i>Provisional protection only.</i>
SIMPSON. 18th October 1866.	2698. WILLIAM SIMPSON, of Ilford, in the County of Essex, Paper Manufacturer, for an invention for—"Improved machinery, apparatus and processes for preparing and treating vegetable fibres to be used as 'half-stuff' in the manufacture of paper, papier-mâché and such like materials." <i>Letters Patent sealed.</i>
HOSKEN. 18th October 1866.	2699. JAMES HOSKEN, of 116, Fenchurch Street, in the City of London, Engineer, for an invention for—"Improvements in packing pistons and stuffing boxes."— <i>A communication to him from abroad by Jones Saunders, a person resident at Alexandria, Egypt.</i> <i>Letters Patent sealed.</i>
BROOMAN. 18th October 1866.	2700. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improved arrangements of apparatus for storing or holding petroleum and other inflammable liquids."— <i>A communication to him from abroad by Felix Bizard and Pierre Labarre, both of Marseilles, France.</i> <i>Letters Patent sealed.</i>
OCKERBY. 19th October 1866.	2701. FEATHERSTONE OCKERBY, of Batley, in the County of York, for an invention for—"Improvements for a two-wheeled vehicle commonly called a Hansom safety cab." <i>Provisional protection only.</i>
BRETNALL. EDGE. 19th October 1866.	2702. JOHN CRESSWELL BRETNALL, of the City of Manchester, and ROBERT EDGE, of Halliwell, near Bolton, in the County of Lancaster, for an invention for—"Improvements in machinery for spinning and doubling." <i>Provisional protection only.</i>
HAWORTH. 19th October 1866.	2703. JAMES HAWORTH, of Denton, in the County of Lancaster, Machinist, for an invention for—"Certain improvements in the manufacture of hats or coverings for the head and in apparatus connected therewith." <i>Provisional protection only.</i>
DAVIES. 19th October 1866.	2704. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved type setting machine."— <i>A communication to him from abroad by Augustus Corey and John McMullin Harper, both of Philadelphia, Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
UREN. 19th October 1866.	2705. EDWARD WILLS UREN, of Arnold's Point, Embankment Road, Laira, Plymouth, in the County of Devon, Engineer and Contractor, for an invention for—"Improvements in the arrangements of machinery for dressing granite and all other kind of stone." <i>Letters Patent sealed.</i>
BROOMAN. 19th October 1866.	2706. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improved pins, nails or tacks, the application of the same to certain purposes, and an apparatus to be employed in inserting the same when fixed to caps or capsules into corks."— <i>A communication to him from abroad by Victor Palyart, of Paris, France.</i> <i>Letters Patent sealed.</i>
SIMPSON. 19th October 1866.	2707. EDWIN LINDSEY SIMPSON, of Bridgeport, County of Fairfield, State of Connecticut, United States of America, for an invention for—"An improved process for the preparation of india-rubber and kindred gums." <i>Letters Patent sealed.</i>
JONES. 19th October 1866.	2708. CHARLES JONES, of the firm of John Jones and Sons, of the William Street Iron Works, Liverpool, in the County of Lancaster, Engineer, for an invention for—"Improvements in coal mining machinery." <i>Letters Patent sealed.</i>
PARKES. 19th October 1866.	2709. ALEXANDER PARKES, of Birmingham, in the County of Warwick, for an invention for—"Improvements in the manufacture of parkesine or compounds of pyroxylin, and in the production of imitations of ivory and pearl." <i>Letters Patent sealed.</i>
BIGELOW. 19th October 1866.	2710. ERASTUS BRIGHAM BIGELOW, of Boston, United States of America, for an invention for—"Improvements in power looms." <i>Letters Patent sealed.</i>

- RESTELL.
19th October 1866. 2711. THOMAS RESTELL, of the Laurels, Palace Square, Norwood, in the County of Surrey, for an invention for—"Improvements in breech-loading fire-arms, and in cartridges to be used therewith." *Letters Patent sealed.*
- KIDD.
MATHER.
20th October 1866. 2712. JOHN HOWARD KIDD, and JAMES CHADWICK MATHER, both of "The Patent Floor Cloth Company's" Works, Bradford, near Manchester, in the County of Lancaster, for an invention for—"Improvements in floor, leather, brattice, oil and other cloths, and in their manufacture." *Letters Patent sealed.*
- DYSON.
20th October 1866. 2713. GEORGE WALTER DYSON, of Tinsley, in the County of York, for an invention for—"An improvement in the manufacture of metal chains." *Provisional protection NOT granted.*
- HOPSON.
BROOKS.
20th October 1866. 2714. ORIN LEWIS HOPSON, and HEMAN PORTER BROOKS, of Waterbury, in the State of Connecticut, United States of America, for an invention for—"Machinery for compressing, rounding or pointing wires or rods to form pins, needles or other articles of metal." *Letters Patent sealed.*
- DIXON.
20th October 1866. 2715. GEORGE DIXON, of Chiswell Street, in the City of London, for an invention for—"Improvements in fringes, tassels and such like upholsterer's trimmings." *Provisional protection only.*
- CLARK.
20th October 1866. 2716. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in electric telegraph apparatus."—*A communication to him from abroad by Joseph de Susini, Gentleman, and Jean Marie Onésime Tamin, Doctor of Medicine, both of 29, Boulevard St. Martin, Paris.* *Provisional protection only.*
- HORBY.
20th October 1866. 2717. THOMAS HORBY, of Sheffield, in the County of York, for an invention for—"Improvements in stamping or printing machines." *Letters Patent sealed.*
- HASELTINE.
20th October 1866. 2718. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in sewing machinery."—*A communication to him from abroad by Lewis Budd Bruen, of the City, County and State of New York, United States of America.* *Complete specification; Letters Patent sealed.*
- PETITDIDIER.
22nd October 1866. 2719. FRANÇOIS PETITDIDIER, of 2, Rue Sainte Appoline, Paris, Empire of France, Dyer, for an invention for—"A new or improved method of printing or applying designs in relief and brilliancy to all kinds of fabrics." *Letters Patent sealed.*
- TONGUE.
22nd October 1866. 2720. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the construction and arrangement of steam-boilers, and in means or apparatus for collecting sediment or deposit therein."—*A communication to him from abroad by Joseph Augustus Miller, of the City, County and State of New York, United States of America.* *Letters Patent sealed.*
- DAY.
22nd October 1866. 2721. JOHN DAY, of Ardwick, Manchester, in the County of Lancaster, Coach Builder, for an invention for—"Certain improvements in vehicles or carriages for the conveyance of passengers." *Letters Patent sealed.*
- BOOTH.
22nd October 1866. 2722. TEMPEST BOOTH, of Ardwick, in the County of Lancaster, Gentleman, for an invention for—"An improved portable chamber or receptacle for containing articles whereby the same are caused to retain their heat." *Letters Patent sealed; no specification filed.*
- KIRK.
22nd October 1866. 2723. ALEXANDER CARNEGIE KIRK, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in steam dredgers." *Provisional protection only.*
- JOHNSON.
22nd October 1866. 2724. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in propelling and steering ships and vessels."—*A communication to him from abroad by John Stanworth Martin and John Frederick Droop, both of Melbourne, in the Colony of Victoria, Engineers.* *Provisional protection only.*

NEWTON. 22nd October 1866.	2725. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of salinometer pot."— <i>A communication to him from abroad by George Sewell, of Poughkeepsie, in the State of New York, and Francis Walker Bacon, of Jersey City, in the State of New Jersey, United States of America.</i> <i>Provisional protection only.</i>
NEWTON. 22nd October 1866.	2726. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved fastening for baling bands."— <i>A communication to him from abroad by Robert Dillon, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
PEDDAR. 22nd October 1866.	2727. SPENCER PEDDAR, of Harlestone, in the County of Suffolk, for an invention for—"Improvements in machinery for lifting or pitching cut crops."— <i>Letters Patent sealed.</i>
JOHNSON. 23rd October 1866.	2728. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machines for making paper."— <i>A communication to him from abroad by Richard Smith, of Sherbrooke, Canada East, and Oliver Ellsworth, of Boston, United States of America.</i> <i>Letters Patent sealed.</i>
WILLIAMS. 23rd October 1866.	2729. ROBERT THOMAS WILLIAMS, of Frome, in the County of Somerset, Highway Surveyor, for an invention for—"A new or improved markers' butt or mantlet, together with an improved danger flag and signals for rifle shooting."— <i>Letters Patent sealed.</i>
LANE. 23rd October 1866.	2730. JOSEPH JAMES LANE, of 10, Cranbrook Place, Old Ford Road, in the County of Middlesex, Engineer, for an invention for—"Improvements in machinery for making wax tapers, composite greases of resinous substances, and cutting same into lengths."— <i>Provisional protection only.</i>
RICHARDS. 23rd October 1866.	2731. JOHN RICHARDS, of Birmingham, in the County of Warwick, Chaser, for an invention for—"Improvements in the manufacture of certain parts of brooches and other similar dress fastenings and ornaments."— <i>Letters Patent sealed.</i>
FIELD. 23rd October 1866.	2732. ARTHUR FIELD, of the firm of John, Charles and John Field, of Upper Marsh, Lambeth, in the County of Surrey, for an invention for—"Improvements in machinery or apparatus employed in the manufacture of candles."— <i>Letters Patent sealed.</i>
GREENSHIELDS. 23rd October 1866.	2733. JAMES GREENSHIELDS, of Glasgow, in the County of Lanark, North Britain, Crude Oil Distiller, for an invention for—"Improvements in making gas and coke."— <i>Provisional protection only.</i>
HOLLINGDRAKE. 23rd October 1866.	2734. ROBERT HOLLINGDRAKE, of Stockport, in the County of Chester, Iron-founder, for an invention for—"Certain improvements in the construction of metallic pipes or tubes to be employed for the purposes of heating buildings and for extinguishing fire therein."— <i>Letters Patent sealed.</i>
NEWTON. 23rd October 1866.	2735. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in the manufacture of rails for railways."— <i>A communication to him from abroad by Samuel L. Potter, of Wyandotte, in the State of Michigan, United States of America.</i> <i>Letters Patent sealed.</i>
WETHERED. 23rd October 1866.	2736. GEORGE WETHERED, of Maidenhead, in the County of Berks, Brick Maker, for an invention for—"Improved apparatus for washing clay and other earthy matters."— <i>Provisional protection only.</i>
HASELTINE. 23rd October 1866.	2737. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of travelling ovens."— <i>A communication to him from abroad by William Hinchliffe, of Melbourne, in the Colony of Victoria, Australia.</i> <i>Letters Patent sealed.</i>
HARRISON. 23rd October 1866.	2738. WILLIAM HARRISON, of Wharton Green, Winsford, Cheshire, for an invention for—"An improved method of consuming smoke in furnaces."— <i>Provisional protection only.</i>

LAKE.
23rd October 1866.

2739. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in cartridges and in machinery for manufacturing the same."—*A communication to him from abroad by Timothy James Powers, of the City, County and State of New York, United States of America.*
Complete specification; Letters Patent sealed.

HASELTINE.
23rd October 1866.

2740. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in sewing machinery."—*A communication to him from abroad by Henry William Fuller, of the City, County and State of New York, United States of America.*
Complete specification; Letters Patent sealed.

OGDEN.
24th October 1866.

2741. JOHN OGDEN, of Ashton-under-Lyne, in the County of Lancaster, Publican, for an invention for—"Improvements in metallic packings for piston rods and other purposes."—*A communication to him from abroad by Ralph Ogden, of Tudella, in the Kingdom of Spain.*
Letters Patent sealed.

MIGNOT.
24th October 1866.

2742. ELIZABETH MIGNOT, of No. 7, Rue de Tracy, Paris, in the Empire of France, and of 31, Rue d'Enghien, Paris, aforesaid, for an invention for—"An improved apparatus for distending the lower part of ladies' dresses or petticoats."
Letters Patent sealed.

WILSON.
24th October 1866.

2743. THOMAS WILSON, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in the manufacture and construction of breech-loading fire-arms, and in cartridges for breech-loading fire-arms."
Letters Patent sealed.

WATTS.
24th October 1866.

2744. JOSEPH WATTS, of Birmingham, in the County of Warwick, Solicitor's Clerk, for an invention for—"Improvements in furnaces and fire-places, and in utilizing the waste heat of the said furnaces and fire-places, and in utilizing and obtaining motive-power from the air supplied to furnaces and fire-places."
Letters Patent sealed.

PLIMSOLL.
DAVIES.
DAWSON.
24th October 1866.

2745. HENRY DAVIDSON PLIMSOLL, of 35, Great Ormond Street, in the County of Middlesex, Merchant, JOHN BAILEY DAVIES, of 20, Gresham Street, in the City of London, Merchant, and WILLIAM RICHARD DAWSON, of High House, Homerton, in the County of Middlesex, Gentleman, for an invention for—"Improvements in extracting metals from titaniferous iron sand or minerals containing metals."
Letters Patent sealed.

BROOMAN.
24th October 1866.

2746. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in machinery for combing wool and other fibres."—*A communication to him from abroad by Amédée Prouvost, of Roubaix, France.*
Letters Patent sealed.

PIERS.
24th October 1866.

2747. SIR EUSTACE FITZMAURICE PIERS, Baronet, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in working railway signals."
Letters Patent sealed.

COLEMAN.
MORTON.
24th October 1866.

2748. HENRY SEPTIMUS COLEMAN, and ALFRED GEORGE EDWIN MORTON, both of Chelmsford, in the County of Essex, Agricultural Engineers, for an invention for—"Improvements in apparatus for reducing or comminuting oil cake."
Letters Patent sealed.

STEVENSON.
24th October 1866.

2749. JAMES COCHRAN STEVENSON, of South Shields, in the County of Durham, Alkali Manufacturer, for an invention for—"Improvements in furnaces for the manufacture of alkali."
Letters Patent sealed.

TAYLOR.
24th October 1866.

2750. FRANCIS TAYLOR, of Romsey, in the County of Hants, for an invention for—"Improvements in apparatus for receiving, drying and deodorizing human excrement."
Letters Patent sealed.

CALVERT.
25th October 1866.

2751. WILLIAM CALVERT, of Liverpool, in the County of Lancaster, Tailor, for an invention for—"Certain improvements in wearing-apparel, known as the shirt or shirt front and the trousers."
Provisional protection only.

DENTON. WHITAKER. BROOKE. 25th October 1866.	2752. WILLIAM DENTON, JOSEPH WHITAKER, and EDWARD BROOKE, all of Leeds, in the County of York, for an invention for—"Improved signalling apparatus for use on railways." <i>Provisional protection only.</i>
DAVIES. 25th October 1866.	2753. JOHN LACEY DAVIES, of the firm of John Davies and Son, of 4, St. Ann's Square, Manchester, in the County of Lancaster, Patent Agents, for an invention for—"Certain improvements in cotton gins."— <i>A communication to him from abroad by Frederick Vedova, of Smyrna, in the Empire of Turkey.</i> <i>Provisional protection only.</i>
MILLS. 25th October 1866.	2754. BENJAMIN JOSEPH BARNARD MILLS, of the firm of Harris and Mills, Patent Agents, 35, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in the manufacture of ploughs."— <i>A communication to him from abroad by The "Collins Company," of Hartford, in the State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 25th October 1866.	2755. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in apparatus for lighting and heating."— <i>A communication to him from abroad by Jean Baptiste Marie Amédée Bourreiff, of Paris, France.</i> <i>Provisional protection only.</i>
PHILLIPS. 25th October 1866.	2756. HENRY PHILLIPS, of Clyst, Honiton, Exeter, in the County of Devon, for an invention for—"Improvements in the preparation of deodorizing materials and in the manufacture of gas." <i>Letters Patent sealed.</i>
ROBERTON. 25th October 1866.	2757. JAMES WARREN ROBERTON, of 14, St. James Square, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
MCDERMID. 25th October 1866.	2758. DANIEL MCDERMID, of Darlington, in the County of Durham, for an invention for—"Improvements in machinery or apparatus for pasting wall papers." <i>Letters Patent sealed.</i>
BOUSFIELD. 25th October 1866.	2759. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the manufacture of gases for the purpose of producing heat, and the application thereof to metallurgical operations."— <i>A communication to him from abroad by William Elmer, M.D., a person resident at the City of New York, United States of America.</i> <i>Complete specification ; Letters Patent sealed.</i>
MACDONNELL. 25th October 1866.	2760. WILLIAM MACDONNELL, of Tipperary, in the County of Tipperary, in Ireland, for an invention for—"Improvements in fastening the mouths of corn, flour and other sacks." <i>Provisional protection NOT granted.</i>
DÉBAUCHÉ. 26th October 1866.	2761. JEAN PIERRE DÉBAUCHÉ, living at Cherbourg (in France), for an invention for—"An improved cylinder brush for waxing apartments, and apparatus used therewith." <i>Provisional protection only.</i>
MUNTZ. 26th October 1866.	2762. PHILIP ALBERT MUNTZ, of Keresley, near Coventry, in the County of Warwick, Gentleman, for an invention for—"Improvements in the manufacture of metal tubes." <i>Provisional protection only.</i>
STORER. 26th October 1866.	2763. JOHN STORER, of Dudley, in the County of Worcester, Engineer, for an invention for—"Improvements in lubricators." <i>Letters Patent sealed.</i>
FISHER. 26th October 1866.	2764. JOHN FISHER, of No. 3, Little Tower Street, in the City of London, Mechanical Engineer, for an invention for—"Improvements in making moulds for casting metals."— <i>A communication to him from abroad by Hadji Jappa, of Singapore.</i> <i>Letters Patent sealed.</i>
ABEL. 26th October 1866.	2765. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"A new or improved percussion spinning top."— <i>A communication to him from abroad by Augustin Boulanger, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
MANUEL. 26th October 1866.	2766. ARMAND MANUEL, of Reims, a Town in the French Empire, Merchant, for an invention for—"A new process of and apparatus for uncorking bottles." <i>Provisional protection only.</i>

- MEAKIN.**
26th October 1866. **2767.** GEORGE FREDERICK LEE MEAKIN, of No. 4, Martin's Lane, Cannon Street, in the City of London, Surveyor, for an invention for—"An improved method of capping old and new rails used on railways and other ways." *Letters Patent sealed.*
- WELDON.**
26th October 1866. **2768.** WALTER WELDON, of Park Villa, West Hill, Highgate, in the County of Middlesex, for an invention for—"An improved method of decomposing chloride of sodium and other compounds, by means of steam." *Letters Patent sealed.*
- LOOMIS.**
26th October 1866. **2769.** NATHANIEL HUBBARD LOOMIS, of the City and State of New York, United States of America, temporarily residing at the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in or applicable to lamps."—*A communication to him from abroad by Thomas Hall, of Bergen, in the State of New Jersey, United States of America.* *Letters Patent sealed.*
- LOOMIS.**
26th October 1866. **2770.** NATHANIEL HUBBARD LOOMIS, of the City and State of New York, United States of America, temporarily residing at the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in machines for composing and printing."—*A communication to him from abroad by Thomas Hall, of Bergen, in the State of New Jersey, United States of America.* *Letters Patent sealed.*
- GRESHAM.**
26th October 1866. **2771.** JAMES HAREBOOTH GRESHAM, of Hull, in the County of the same Town, Gentleman, for an invention for—"Improvements in the manufacture of safety fuzes, and in the machinery, apparatus or means employed therein."—*A communication to him from abroad by William Robert Whitehorn, of Melbourne, in the Colony of Victoria, Engineer.* *Letters Patent sealed.*
- TURNER.**
26th October 1866. **2772.** ARCHIBALD TURNER, of Leicester, Elastic Fabric Manufacturer, for an invention for—"Improved taking up apparatus applicable to machinery for the manufacture of elastic fabrics." *Letters Patent sealed.*
- WAGENER.**
FIRMIN.
26th October 1866. **2773.** JOHN WAGENER, of No. 27, Wellclose Square, Sugar Refiner, and GEORGE JORDAN FIRMIN, of Millwall, Manufacturing Chemist, both in the County of Middlesex, for an invention for—"Improvements in sugar refining." *Letters Patent sealed.*
- CROSSLEY.**
26th October 1866. **2774.** FRANK CROSSLEY, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in machinery for separating the fibre of flax or other vegetable substances requiring such treatment." *Letters Patent sealed.*
- LATTER.**
26th October 1866. **2775.** LEONARD LATTER, of Old Kent Road, in the County of Surrey, Miller, for an invention for—"Improvements in brakes for common road carriages." *Provisional protection only.*
- SIMPSON.**
26th October 1866. **2776.** TRISTRAM SHANDY SIMPSON, of 31, Broadway, Stratford, in the County of Essex, Builder, for an invention for—"Improvements in the construction of ships' boats, which improvements are chiefly applicable to the construction of life-boats." *Provisional protection only.*
- TUESKI.**
27th October 1866. **2777.** BERTHOLD TUESKI, of Jewin Street, in the City of London, Hat Manufacturer, for an invention for—"Improvements in the manufacture of hats of all kinds." *Provisional protection only.*
- HOWARD.**
27th October 1866. **2778.** EDWARD HOWARD, a Member of the Royal College of Physicians at London, resident at Redhill, Surrey, for an invention for—"Securing perfect immunity from danger in the use of paraffine, camphine and other lamps liable hitherto to explode, whether fed by rock oil, crystal oil, paraffine, camphine, belmontine or other combustible carbonaceous oils." *Letters Patent sealed.*
- SHARP.**
SMITH.
27th October 1866. **2779.** JAMES SHARP, and ROBERT SMITH, both of Blackford, in the County of Perth, North Britain, for an invention for—"An improved explosive compound or powder." *Provisional protection only.*
- DAVIES.**
27th October 1866. **2780.** GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"An improved rivetting press for securing buttons to fabrics."—*A communication to him from abroad by Willoughby Hahn Reed, of New York, in the United States of America.* *Letters Patent sealed.*
- HUDDART.**
27th October 1866. **2781.** GEORGE AUGUSTUS HUDDART, of Brynkir, in the County of Carnarvon, Gentleman, for an invention for—"Improvements in buttons and in the attachment of buttons to garments and fabrics." *Provisional protection only.*

TIFFIN. 27th October 1866.	2782. CHARLES TIFFIN, junior, of College Place, N.W., Artist, for an invention for—"Improvements in the construction of perambulators and other similar carriages." <i>Letters Patent sealed.</i>
BLACKMAN. BLACKMAN. 27th October 1866.	2783. JOHN BLACKMAN, and EDWARD BLACKMAN, of Knightsbridge, in the County of Middlesex, for an invention for—"Improvements in medicine for the cure of hooping and other coughs." <i>Provisional protection only.</i>
BARNES. 27th October 1866.	2784. WALTER RICHARD BARNES, of The Heath, Fairlight, Hastings, in the County of Sussex, Captain in the 2nd Royal Surrey Militia, for an invention for—"Improvements in fire-escapes." <i>Provisional protection only.</i>
HOPKINS. HOPKINS. 29th October 1866.	2785. MESHACH HOPKINS, of Upper Ashby Street, Goswell Road, in the County of Middlesex, and ABEDNEGO DAVID HOPKINS, of Bow Lane, in the City of London, for an invention for—"Improvements in the construction of sewing-machines." <i>Letters Patent sealed.</i>
TUBINO. 29th October 1866.	2786. FRANCESCO TUBINO, of No. 7, Leather Lane, in the City of London, Jeweller, for an invention for—"Improvements in lockets, which improvements may also be applied to brooches, bracelets and other articles of jewellery and dress." <i>Letters Patent sealed; no specification filed.</i>
GEE. 29th October 1866.	2787. JAMES GEE, of Manchester, in the County of Lancaster, Hatter, for an invention for—"Certain improvements in the ventilation of hats or other coverings for the head." <i>Letters Patent sealed.</i>
MCBEATH. 29th October 1866.	2788. CHARLES MCBEATH, of Blackburn, in the County of Linlithgow, North Britain, Carpenter, for an invention for—"Improvements in the treatment or distillation of shale, coal and other bituminous substances, and in the means or apparatus employed therefor." <i>Letters Patent sealed.</i>
WARD. 29th October 1866.	2789. JOSEPH EDWIN WARD, of Bredbury, in the County of Chester, Hat Manufacturer, for an invention for—"Improvements in machinery for the manufacture of hats or coverings for the head." <i>Provisional protection only.</i>
JOHNSON. 29th October 1866.	2790. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"An improved metallic band fastener." —A communication to him from abroad by Arthur Barbarin, of New Orleans, Louisiana, United States of America. <i>Letters Patent sealed.</i>
JOHNSON. 29th October 1866.	2791. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the preparation of iodide of ethyl and of other organic iodides." —A communication to him from abroad by James Alfred Wanklyn, of the London Institution, Professor of Chemistry, but at present residing at Thann, in the Empire of France. <i>Provisional protection only.</i>
TWEDDELL. 29th October 1866.	2792. RALPH HART TWEDDELL, Engineer, of Sunderland, in the County of Durham, for an invention for—"Improvements in hydraulic presses and apparatus connected therewith for bending metals, part of which is applicable for other purposes." <i>Provisional protection only.</i>
ALEXANDRE. 29th October 1866.	2793. EDOUARD ALEXANDRE, of 2, Rue Sainte Appoline, Paris, Empire of France, Knight of the Legion of Honour, for an invention for—"Improvements in the construction of organs." <i>Letters Patent sealed.</i>
FAULKNER. 29th October 1866.	2794. SAMUEL FAULKNER, of Blackley, in the County of Lancaster, Cotton Spinner, for an invention for—"Improvements in carding-engines and in apparatus for grinding the rollers or cylinders thereof." <i>Provisional protection only.</i>
THORPE. 30th October 1866.	2795. JOHN THORPE, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of 'oil baizes,' 'stair baizes' and 'oil floor cloths' or other varnished or japanned fabrics, and in machinery or apparatus employed therein." <i>Provisional protection only.</i>
ADIE. 30th October 1866.	2796. PATRICK ADIE, of the Strand, in the County of Middlesex, Mathematical Instrument Maker, for an invention for—"Improvements in means and machinery for clipping horses and other animals." <i>Letters Patent sealed.</i>
HUNTER. 30th October 1866.	2797. JAMES HUNTER, of Newmain's House, Wishaw, in the County of Lanark, North Britain, Iron Master, for an invention for—"Improvements in machinery or apparatus to be used for excavating and mining." <i>Letters Patent sealed.</i>

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| <p>JOHNSON.
30th October 1866.</p> <p>WEDEKIND.
30th October 1866.</p> <p>CHURCHMAN.
BRABY.
30th October 1866.</p> <p>DACRE.
30th October 1866.</p> <p>VARLEY.
30th October 1866.</p> <p>GARDNER.
BICKERTON.
30th October 1866.</p> <p>WILKINSON.
30th October 1866.</p> <p>NEWTON.
30th October 1866.</p> <p>NEWTON.
30th October 1866.</p> <p>FAIRBAIRN.
KENNEDY.
NAYLOR.
30th October 1866.</p> <p>NICHOLLS.
30th October 1866.</p> <p>BOULTON.
30th October 1866.</p> <p>BOUSFIELD.
30th October 1866.</p> | <p>2798. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the treatment and preservation of grain, pulse, seeds and flour or meal, and in the apparatus or means employed therein."—<i>A communication to him from abroad by Wilhelm Ramann, of Amsterdam, in the Kingdom of Holland.</i> <i>Letters Patent sealed.</i></p> <p>2799. HERMANN WEDEKIND, of Dunster Court, Mincing Lane, in the City of London, Engineer, for an invention for—"Improvements in grinding, crushing or reducing dry substances, and in the apparatus or means employed therein or in connection therewith."—<i>A communication to him from abroad by Frederick Hoffmann, of Berlin, in the Kingdom of Prussia, Engineer.</i> <i>Letters Patent sealed.</i></p> <p>2800. HENRY CHURCHMAN, of Horsham, in the County of Sussex, and FREDERICK BRABY, of Fitzroy Works, Euston Road, in the County of Middlesex, for an invention for—"Improvements in machinery or apparatus for cleaning boots and shoes, also applicable to the cleaning of other articles." <i>Provisional protection only.</i></p> <p>2801. GEORGE DACRE, Master of Arts, Clerk, Chaplain to the Forces, of Preston, in the County of Lancashire, for an invention for—"Improvements in lathes." <i>Provisional protection only.</i></p> <p>2802. JOHN VARLEY, of Bloomfield Road, Plumstead, in the County of Kent, Engineer, for an invention for—"Improvements in apparatus for supplying or feeding water to steam-boilers, which apparatus measures and regulates the water supplied, and is also applicable for other purposes." <i>Letters Patent sealed.</i></p> <p>2803. CHARLES HENRY GARDNER, of West Harding Street, in the City of London, Printing Machine Manufacturer, and JOSEPH BICKERTON, of Oldham, in the County of Lancaster, Engineer, for an invention for—"Improvements in lithographic, zincographic and typographic printing machines." <i>Provisional protection only.</i></p> <p>2804. JOHN WILKINSON, junior, of St. Helen's Mills, Hunslet, near Leeds, in the County of York, for an invention for—"Improved apparatus to be used in connection with milling machinery." <i>Provisional protection only.</i></p> <p>2805. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of steam-boilers."—<i>A communication to him from abroad by Robert Bailey, of Idaho City, in the Territory of Idaho, United States of America.</i> <i>Provisional protection only.</i></p> <p>2806. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Certain improvements in machinery for spinning, doubling and twisting wool and other fibrous materials."—<i>A communication to him from abroad by Charles B. Hoard, of Watertown, in the State of New York, United States of America.</i> <i>Letters Patent sealed.</i></p> <p>2807. ANDREW FAIRBAIRN, THOMAS STUART KENNEDY, and JOHN WILLIAM NAYLOR, all of Leeds, in the County of York, Machinists, for an invention for—"An improved mode of covering metal rollers used in the manufacture of flax, hemp, jute, silk and other fibrous substances, with leather." <i>Provisional protection only.</i></p> <p>2808. HENRY MARTYN NICHOLLS, of No. 14, Southampton Street, Strand, Civil Engineer, for an invention for—"Improvements in apparatus for cutting continuous paper into sheets, and in piling or disposing of the same when cut." <i>Letters Patent sealed.</i></p> <p>2809. MATTHEW PIERS WATT BOULTON, of Tew Park, Oxfordshire, Esquire, for an invention for—"Improvements in apparatus for employing the motive-power of jets of fluid." <i>Provisional protection only.</i></p> <p>2810. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in treating sheet-iron plates for the purpose of preparing the same for being coated with zinc, for producing the so-called 'galvanized iron,' and also for manufacturing such plate in imitation of Russia iron."—<i>A communication to him from abroad by Charles Henry Perkins, a person resident at Providence, Rhode Island, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i></p> |
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DAGGETT. 30th October 1866.	2811. LYMAN DAGGETT, of the State of Massachusetts, of the United States of America, for an invention for—"Improvements in boots and shoes." <i>Complete specification; Letters Patent sealed.</i>
BROWN. 30th October 1866.	2812. FREDERICK BROWN, of 2, Shepperton Street, New North Road, Islington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of brushes." <i>Provisional protection only.</i>
DAW. PARSONS. 30th October 1866.	2813. GEORGE HENRY DAW, of Threadneedle Street, in the City of London, and PERCEVAL MOSES PARSONS, of Arthur Street, London Bridge, also in the City of London, for an invention for—"Improvements in breech-loading fire-arms, also in the manufacture of cartridges and apparatus employed therein." <i>Provisional protection only.</i>
ROBERTSON. 31st October 1866.	2814. WILLIAM ROBERTSON, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in self-acting mules." <i>Letters Patent sealed.</i>
DODD. 31st October 1866.	2815. JOHN DODD, of Oldham, in the County of Lancaster, Mechanical Engineer, for an invention for—"Improvements in self-acting mules." <i>Letters Patent sealed.</i>
SCOTT. 31st October 1866.	2816. JOHN SCOTT, of 551, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in fire-escapes and apparatus for raising and lowering weights, the same being applicable to other useful purposes." <i>Letters Patent sealed.</i>
WELTON. 31st October 1866.	2817. THOMAS WELTON, of 13, Grafton Street, Fitzroy Square, in the County of Middlesex, for an invention for—"A new metallic brush." <i>Provisional protection only.</i>
SCOTT. 31st October 1866.	2818. JOHN SCOTT, of 551, Oxford Street, in the County of Middlesex, for an invention for—"Improvements in pneumatic signal apparatus or means for giving alarms in case of fire, or for indicating variations of temperature for other useful purposes." <i>Letters Patent sealed.</i>
CLAY. BOWATER. 31st October 1866.	2819. WILLIAM CLAY, of Liverpool, in the County of Lancaster, Iron Manufacturer, and ALFRED BOWATER, of the same place, Manager of Iron Works, for an invention for—"An improved method of utilizing Bessemer and other steel and iron scrap." <i>Provisional protection only.</i>
KEIGHLEY. 31st October 1866.	2820. JOHN KEIGHLEY, of Bradford, in the County of York, Power Loom Maker, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
WILLIAMS. 31st October 1866.	2821. HENRY HEADLEY WILLIAMS, of Buckingham Street, in the City of Westminster, Gentleman, for an invention for—"Improvements in fastenings and backing for armour plates."— <i>A communication to him from abroad by John Gregory, of Lisbon, Portugal.</i> <i>Provisional protection only.</i>
HOLDEN. 31st October 1866.	2822. RICHARD HOLDEN, of Blackburn, in the County of Lancaster, Innkeeper, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
CLARK. 31st October 1866.	2823. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in lamp glasses or chimneys."— <i>A communication to him from abroad by Joseph Lallemand and Godefroi Auguste Guillaume Wagener, Manufacturers, both of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
NEWTON. 31st October 1866.	2824. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved vacuum air engine."— <i>A communication to him from abroad by John Robertson Cameron, of Pittsburgh, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
SHORTHOUSE. FERGUSON. 31st October 1866.	2825. JOSEPH HENRY SHORTHOUSE, of Birmingham, in the County of Warwick, Manufacturing Chemist, and JOHN FERGUSON, also of Birmingham, aforesaid, Practical Chemist, for an invention for—"An improved process for recovering and utilizing certain waste metallic products." <i>Provisional protection only.</i>
PATTERSON. 31st October 1866.	2826. JOHN PATTERSON, of Beverley, in the County of York, Engineer, for an invention for—"Improvements in securing or fastening screw bolts and nuts when tightened up." <i>Provisional protection only.</i>

- HOLDEN.**
BEST.
31st October 1866. 2827. JAMES JOHN HOLDEN, and SEALY JAMES BEST, both of Bermondsey, in the County of Surrey, Engineers, for an invention for—"Improvements in the doors or closures of gas retorts." *Letters Patent sealed.*
- JOHNSON.**
November 1866. 2828. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in lamps."—*A communication to him from abroad by Aaron Calhoun Vaughan and Robert Wallace Park, both of Philadelphia, Pennsylvania, United States of America.* *Provisional protection only.*
- HENDERSON.**
1st November 1866. 2829. THOMAS HENDERSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Improvements in sewing-machines." *Letters Patent sealed.*
- JACKSON.**
1st November 1866. 2830. JAMES JACKSON, of Liverpool, in the County of Lancaster, Manager of North Forge Iron Works, for an invention for—"Improvements in apparatus for lowering and 'letting go' ships' anchors." *Letters Patent sealed.*
- ASHTON.**
JOHNSON.
1st November 1866. 2831. WILLIAM SHORROCK ASHTON, Spinner and Manufacturer, and JAMES JOHNSON, Manager, both of Darwen, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus for preparing and spinning cotton and other fibrous materials." *Letters Patent sealed.*
- TAVERNIER.**
WHITEHEAD.
1st November 1866. 2832. EDOUARD TAVERNIER, of 3, Cité Trévisé, Paris, in the Empire of France, and HENRY WALTON WHITEHEAD, of the firm of Taylor, Wordsworth and Co., of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in means or apparatus for combing cotton and other fibres." *Letters Patent sealed.*
- BECKER.**
1st November 1866. 2833. JULES BECKER, of No. 91, Quai des Chartrons, Bordeaux, in the Empire of France, Merchant, for an invention for—"An improved apparatus for stoppering bottles." *Letters Patent sealed.*
- DENTON.**
1st November 1866. 2834. HENRY RICHARD JOHN DENTON, of Wolverhampton, in the County of Stafford, Agricultural Implement Maker, for an invention for—"Improvements in apparatus or machinery for bending chain links." *Letters Patent sealed.*
- POLLACK.**
1st November 1866. 2835. MAURICE POLLACK, of the firm of A. Somerville and Company, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in packing needles, and in papering needles or making up needles for sale." *Letters Patent sealed.*
- ROWLAND.**
1st November 1866. 2836. OWEN ROWLAND, of Willis Road, Kentish Town, in the County of Middlesex, for an invention for—"Improvements in galvanic batteries, and in apparatus for testing the insulation of telegraphic conductors." *Provisional protection only.*
- GEEVES.**
1st November 1866. 2837. WILLIAM GEEVES, of 51, Thornhill Square, Barnsbury, in the County of Middlesex, for an invention for—"Improvements in saw mills." *Letters Patent sealed.*
- DEAS.**
RAPIER.
1st November 1866. 2838. JAMES DEAS, of Glasgow, Civil Engineer, and RICHARD CHRISTOPHER RAPIER, of 17, Victoria Street, Westminster, Engineer, for an invention for—"Improvements in apparatus relating to railway switches, signals and stop blocks." *Letters Patent sealed.*
- GREAVES.**
2nd November 1866. 2839. HUGH GREAVES, of Abingdon Street, in the City of Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improved apparatus to facilitate the unloading and delivery of coal, stone and other articles, from ships, barges and other vessels." *Provisional protection only.*
- CHATWIN.**
2nd November 1866. 2840. THOMAS CHATWIN, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in screw stocks and tube cutters." *Provisional protection only.*
- WATSON.**
2nd November 1866. 2841. GEORGE WATSON, of the firm of Watson and Stewart, of Brisbane, in the Colony of Queensland, and of Glasgow, in the County of Lanark, North Britain, Plumber and Gas Fitter, for an invention for—"Improvements in reflectors and ventilators in connection with gas and other lights." *Provisional protection only.*
- HOLMAN.**
2nd November 1866. 2842. STEPHEN HOLMAN of 90, Cannon Street, London, E.C., in the County of Middlesex, Engineer, for an invention for—"Improvements in pumps and pump air vessels." *Provisional protection only.*

FROST. LEATHER. NELSON. 2nd November 1866.	2843. WILLIAM FROST (Manager), JOHN HENRY LEATHER (Manufacturer), and JAMES NELSON (Forgeman), all of Wadsley Bridge Steel and Iron Works, Sheffield, in the County of York, for an invention for—"An 'auxiliary smith's fire.'" <i>Provisional protection only.</i>
PORTER. 2nd November 1866.	2844. RICHARD PORTER, junior, of Wood Street, in the City of London, Ware-houseman, for an invention for—"Improvements in the manufacture of gloves."— <i>A communication to him from abroad by Edouard Vidil, of Grenoble, France.</i> <i>Letters Patent sealed.</i>
HOWELL. 2nd November 1866.	2845. JOHN HOWELL, of Creekmore, near Poole, in the County of Dorset, for an invention for—"Improvements in hay and chaff cutting machines." <i>Provisional protection only.</i>
EDWARDS. 3rd November 1866.	2846. OSBORNE CADWALLADER EDWARDS, of Cork, in the County of Cork, Civil Engineer, for an invention for—"Improvements in machinery for cleansing and washing casks or barrels." <i>Letters Patent sealed.</i>
HARRIS. 3rd November 1866.	2847. JOSIAH HARRIS, of 41, Threadneedle Street, in the City of London, for an invention for—"Improvements in apparatus for the production, distillation and refining of hydro-carbon and other oils from shale, cannel, coal, peat, lignite or other bituminous minerals." <i>Letters Patent sealed.</i>
CALVERT. 3rd November 1866.	2848. FRANCIS ALTON CALVERT, of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in heating, applicable to steam-boilers' furnaces and other heating apparatus." <i>Letters Patent sealed.</i>
TATTERS. 3rd November 1866.	2849. JAMES GRAHAM TATTERS, of Plymouth, in the County of Devon, for an invention for—"Improvements in the means of intercommunication between the several parts of railway trains." <i>Provisional protection only.</i>
GAY. 3rd November 1866.	2850. RICHARD JARRAUD GAY, of Badshot-Lee, Farnham, in the County of Surrey, for an invention for—"An improved composition for coating walls or other surfaces so as to render them impervious to the action of water or moisture." <i>Letters Patent sealed.</i>
ROBERTS. 3rd November 1866.	2851. JOHN ROBERTS, of Cranmer Road, Brixton, in the County of Surrey, Commission Agent, for an invention for—"Improvements in the manufacture of artificial fuel." <i>Provisional protection only.</i>
TONKS. 3rd November 1866.	2852. EDMUND TONKS, of the firm of William Tonks and Sons, of Birmingham, in the County of Warwick, Manufacturers, for an invention for—"Improvements in call bells." <i>Provisional protection only.</i>
NORTH. 3rd November 1866.	2853. EDWARD PARSONS NORTH, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"A new or improved portable or folding reading desk, stand or easel." <i>Letters Patent sealed.</i>
MCTAGGART. HOLDFORTH. 3rd November 1866.	2854. ROBERT MCTAGGART, and JOSEPH HOLDFORTH, both of Bradford, in the County of York, for an invention for—"An improved pill making machine." <i>Letters Patent sealed.</i>
LEWIS. 3rd November 1866.	2855. JOSEPH LEWIS, of No. 51, High Street, Bloomsbury, in the County of Middlesex, Engineer, for an invention for—"Improvements in fire-arms and cartridges." <i>Provisional protection only.</i>
CHUBB. CHALK. 3rd November 1866.	2856. JOHN CHUBB, of St. Paul's Churchyard, in the City of London, and WILLIAM HENRY CHALK, of Alpha Street, Peckham, in the County of Surrey, for an invention for—"Improvements in iron safes and strong rooms." <i>Letters Patent sealed.</i>
PLAYER. 3rd November 1866.	2857. JOHN PLAYER, Engineer, of Norton, near Stockton-on-Tees, in the County of Durham, for an invention for—"Improvements in the lining or 'fettling' for puddling furnaces and containing vessels in which pig or crude iron is converted into wrought iron or steel." <i>Provisional protection only.</i>
CLAUDET. 3rd November 1866.	2858. FREDERIC CLAUDET, of Nos. 6 and 7, Coleman Street, in the City of London, for an invention for—"Improvements in treating waste solutions obtained from burnt cupreous pyrites." <i>Letters Patent sealed.</i>

BAYLISS. 3rd November 1866.	2859. WILLIAM BAYLISS, of the firm of Bayliss, Jones and Bayliss, of Wolverhampton, in the County of Stafford, and of Cannon Street, in the City of London, Chain Cable and Anchor Manufacturers, for an invention for—"Certain improvements in the manufacture of anchors." <i>Provisional protection only.</i>
PHILLIPSON. 3rd November 1866.	2860. WILLIAM FRANCIS PHILLIPSON, of 7, Wellington Quay, in the City of Dublin, for an invention for—"Improvements in the manufacture of bedsteads." <i>Provisional protection NOT granted.</i>
CHAMBERLAIN. 3rd November 1866.	2861. MATTHEW CHAMBERLAIN, of Camberwell, in the County of Surrey, for an invention for—"Improvements in the manufacture of brushes and brush services composed of india-rubber, gutta-percha, parksine, leather or other similar elastic or flexible material." <i>Letters Patent sealed.</i>
GISBORNE. 3rd November 1866.	2862. JOHN SACHEVERELL GISBORNE, of Liverpool, in the County of Lancaster, Electrical Engineer, for an invention for—"Improved automatic means and apparatus to give warning of the dangerous existence of fire in warehouses, ships and other structures and places." <i>Provisional protection only.</i>
GISBORNE. 3rd November 1866.	2863. JOHN SACHEVERELL GISBORNE, of Liverpool, in the County of Lancaster, Electrical Engineer, for an invention for—"Improvements in mariners' and other compasses." <i>Letters Patent sealed.</i>
MEDD. 5th November 1866.	2864. HENRY MEDD, of Oxford Street, in the Parish of Mary-le-bone, in the County of Middlesex, for an invention for—"Improvements in mounts for cartes de visite and playing cards." <i>Provisional protection NOT granted.</i>
CLAPHAM. 5th November 1866.	2865. THOMAS DUNNILL CLAPHAM, of Batley, in the County of York, for an invention for—"Improved means or apparatus for producing figured woollen fabrics or other fabrics capable of being figured." <i>Letters Patent sealed.</i>
BROOMAN. 5th November 1866.	2866. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in puddling, and in apparatus employed therein."— <i>A communication to him from abroad by Pierre Adolphe Dormoy, of Paris, France.</i> <i>Letters Patent sealed.</i>
HARDCASTLE. 5th November 1866.	2867. ROBERT ANTHONY HARDCASTLE, of the Town and County of Newcastle-on-Tyne, for an invention for—"Improvements in apparatus for transmitting and controlling motion." <i>Provisional protection only.</i>
KERR. 5th November 1866.	2868. PETER KERR, of New Street Thread Works, Paisley, for an invention for—"Improvements in machinery for polishing threads and yarns." <i>Letters Patent sealed.</i>
DE BRIGES. 5th November 1866.	2869. MALBEC DE BRIGES, residing at No. 5, Boulevard Hausman, Paris, in the Empire of France, for an invention for—"Improvements in obtaining photographic pictures." <i>Provisional protection NOT granted.</i>
WALKER. 6th November 1866.	2870. THOMAS WALKER, of 18, Robert Terrace, Sidney Street, Chelsea, in the County of Middlesex, for an invention for—"Improvements in the construction of electric telegraph cables, lines and transmitting instruments connected therewith." <i>Provisional protection only.</i>
WIGHAM. 6th November 1866.	2871. JOHN RICHARDSON WIGHAM, of Albany House, Monkstown, in the County of Dublin, Ireland, Gas and Lighthouse Engineer, for an invention for—"Improvements in illuminating lighthouses, private residences, railway stations, mills, factories and other buildings, and in apparatus and gas-burners employed for that purpose." <i>Letters Patent sealed.</i>
GROTE. 6th November 1866.	2872. AUGUSTUS GROTE, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in printing textile fabrics or yarns." <i>Provisional protection only.</i>
TAYLOR. 6th November 1866.	2873. NATHANIEL FORTESCUE TAYLOR, of 8, Manby Street, Stratford, in the County of Essex, Gas Engineer, for an invention for—"Improvements in means for operating on air or aëriform fluids by hydrocarbons, for purposes of illumination." <i>Letters Patent sealed.</i>

JOHNSON. 6th November 1866.	2874. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in rolling metals and in the machinery or apparatus employed therein."— <i>A communication to him from abroad by Hippolyte Ulysse Petin and Jean Marie Gaudet, of the firm of Petin, Gaudet and Company, of Rive de Gier, in the Empire of France, Iron Masters.</i> <i>Letters Patent sealed.</i>
MATTHEWS. 6th November 1866.	2875. WILLIAM JAMES MATTHEWS, of Birmingham, in the County of Warwick, Gun Maker, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
BENTALL. 6th November 1866.	2876. EDWARD HAMMOND BENTALL, of Heybridge, near Maldon, in the County of Essex, Agricultural Implement Maker, for an invention for—"Improvements in machinery for manufacturing screw nuts." <i>Letters Patent sealed.</i>
NEWTON. 6th November 1866.	2877. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in poles or rods for curtains and hangings."— <i>A communication to him from abroad by Jules Antoine Pelosse, of Boulevard Beaumarchais, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
HUNT. 6th November 1866.	2878. THOMAS HUNT, of Leman Street, Goodman's Fields, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
CLAPP. 6th November 1866.	2879. WILLIAM HENRY CLAPP, of 243, Balls Pond, Islington, in the County of Middlesex, for an invention for—"Improvements in carriage brakes." <i>Provisional protection only.</i>
SPAGNOLETTI. 6th November 1866.	2880. CHARLES ERNESTO SPAGNOLETTI, of the Telegraph Department, Great Western Railway, Paddington, in the County of Middlesex, Telegraphic Engineer, for an invention for—"Improvements in arranging and combining apparatus for communicating between the guard, engine-driver and passengers, in a railway train." <i>Letters Patent sealed.</i>
NAPIER. 6th November 1866.	2881. ROBERT DAVID NAPIER, of 20, Church Row, Limehouse, in the County of Middlesex, for an invention for—"Improvements in friction breaks, and apparatus for giving motion to machinery." <i>Provisional protection only.</i>
INCE. 6th November 1866.	2882. THOMAS HENRY INCE, of Toronto, Canada, but at present residing at the Palace Hotel, Westminster, Barrister-at-Law, for an invention for—"Improvements in fire-arms." <i>Provisional protection only.</i>
ROBINSON. 6th November 1866.	2883. CHARLES JAMES ROBINSON, of 3, Old Church Yard, Liverpool, for an invention for—"Improvements in pump valves, stop and let-off cocks or valves, especially adapted for hydraulic presses and high-water pressure."— <i>A communication to him from abroad by George Brunton, a person resident at Cochín.</i> <i>Provisional protection only.</i>
BRACEWELL. PICKUP. LUND. 7th November 1866.	2884. WILLIAM BRACEWELL, Engineer, WILLIAM PICKUP, Engineer, and BENJAMIN LUND, Engineer, all of Burnley, in the County of Lancaster, for an invention for—"Improvements in valves for engines worked by steam or other fluid." <i>Provisional protection only.</i>
HUXLEY. 7th November 1866.	2885. EDWARD HUXLEY, of 12, Old Cavendish Street, Cavendish Square, Surgical Instrument Maker, for an invention for—"The improved manufacture of coverlets, rugs, quilts or covers for beds, and certain articles of wearing-apparel, and as a stuffing for cushions and pillows." <i>Provisional protection only.</i>
DARLOW. SEYMOUR. 7th November 1866.	2886. WILLIAM DARLOW, of Tottenham, in the County of Middlesex, Gentleman, and PHILIP WILLIAM SEYMOUR, of Canning Town, in the County of Essex, Electrician, for an invention for—"A new magnetic compound applicable to the manufacture of articles suitable for curative and other beneficial and useful purposes." <i>Letters Patent sealed.</i>
HUMPHREY. 7th November 1866.	2887. WILLIAM HUMPHREY, of Hunslet, near Leeds, in the County of York, for an invention for—"Improvements in furnaces for steam-boilers." <i>Letters Patent sealed.</i>
SHAW. 7th November 1866.	2888. JOHN SHAW, of Waterloo Mills, Horton, near Bradford, in the County of York, for an invention for—"Improvements in preparing and spinning machinery." <i>Letters Patent sealed.</i>

GEDGE.
7th November 1866.

2889. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved combination of apparatus fitting within every sort of chimney, and preventing any smoke being driven back into apartments."—*A communication to him from abroad by Louis Charlemagne Bricoteaux and Louis Jules Bricoteaux (Father and Son), of 15, Passage des Petites Ecuries, Paris, France.*
Provisional protection only.

COMBE.
7th November 1866.

2890. JOHN COMBE, of Starbeck, in the County of York, for an invention for—"Improvements in machinery for spinning fibrous substances."
Provisional protection only.

DAWSON.
PALEY.
7th November 1866.

2891. THOMAS DAWSON, of Preston, in the County of Lancaster, Ship owner, and JOHN PALEY, of the same place, Cotton Manufacturer, for an invention for—"Improvements in sheathing vessels."
Provisional protection NOT granted.

NEWBY.
7th November 1866.

2892. JAMES CLEMENT NEWBY, of Witton Road, Birmingham, in the County of Warwick, Machinist, for an invention for—"Certain improvements in the manufacture of clasps for stay busks, braces, belts, garters, boots, leggings, gloves and bands."
Letters Patent sealed.

DEAVIN.
SUTTON.
DEAVIN.
7th November 1866.

2893. JOHN DEAVIN, JOHN HENRY SUTTON, and MARTIN DEAVIN, all of Rotherhithe, County of Surrey, for an invention for—"Improvements in the method of closing and keeping open at any distance doors and gates, in lieu of using springs, straps or other unsightly arrangements for effecting the purpose."
Letters Patent sealed.

GOODBRAND.
HOLLAND.
7th November 1866.

2894. WALTER GOODBRAND, and THOMAS ECCLES HOLLAND, of Manchester, in the County of Lancaster, Machinists, for an invention for—"Certain improvements in apparatus for rendering the security of safes and other depositories more effectual."
Letters Patent sealed.

KIRK.
7th November 1866.

2895. PETER KIRK, of Workington, in the County of Cumberland, Engineer, for an invention for—"Certain improvements in machinery or apparatus for rolling metals."
Letters Patent sealed.

BROWN.
7th November 1866.

2896. JOHN ERSKINE BROWN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in finishing woven fabrics and in the machinery to be employed therefor."
Letters Patent sealed.

CAVELL.
7th November 1866.

2897. JOHN SCOTT CAVELL, of Gray's Inn Square, in the County of Middlesex, for an invention for—"Improvements in the construction of automaton figures or toys."
Provisional protection only.

HASELTINE.
7th November 1866.

2898. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved brake for railway carriages."—*A communication to him from abroad by Aaron Higley, Joseph Benjamin Birdsell, and Varium Ogilea Birdsell, all of South Bend, Indiana, United States of America.*
Complete specification; Letters Patent sealed.

CHURCHILL.
7th November 1866.

2899. CHARLES CHURCHILL, of Norwood, in the County of Surrey, Merchant, for an invention for—"An improved chuck for holding drills and other tools."—*A communication to him from abroad by Albert Beach, of Newark, New Jersey, United States of America.*
Letters Patent sealed.

HASELTINE.
7th November 1866.

2900. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process for producing pictures, ornamental designs, letters and other characters or figures, on and in marble and other calcareous stones."—*A communication to him from abroad by Asa Hill, of Norwalk, Connecticut, United States of America.*
Complete specification; Letters Patent sealed.

SUTTON.
7th November 1866.

2901. CHARLES SUTTON, of No. 108, Holloway Road, in the County of Middlesex, for an invention for—"An improved toy to be actuated by steam."
Letters Patent sealed.

HINDLEY.
7th November 1866.

2902. EDMUND SAMUEL HINDLEY, of Bourton, in the County of Dorset, Engineer, for an invention for—"Improvements in slide valves and governors of steam and other engines and in apparatus connected therewith."
Provisional protection only.

NEWTON. 7th November 1866.	2903. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in reaping-machines."— <i>A communication to him from abroad by Jacob William Schuckers, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
NEWTON. 7th November 1866.	2904. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of and apparatus for cleaning the exterior of houses, public buildings, objects of art, ornamental surfaces, walls, carriages and other articles or things."— <i>A communication to him from abroad by Charles Nivert and Blaise Dussap, both of Rue St. Sébastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
KERSHAW. 8th November 1866.	2905. THOMAS KERSHAW, of Hulme, in the County of Lancaster, Overlooker, for an invention for—"Certain improvements in that portion of a loom that is employed in 'taking up' the cloth." <i>Letters Patent sealed.</i>
HEYWOOD. 8th November 1866.	2906. JOHN KAY HEYWOOD, of Kilkenny, in the County of Kilkenny, Engineer, for an invention for—"Improvements in machinery and cutters for making bungs and taps for barrels and other utensils." <i>Provisional protection only.</i>
BAGSHAW. 8th November 1866.	2907. JOHN JAMES BAGSHAW, of the Thames Steel Works, Sheffield, in the County of Yorkshire, for an invention for—"Improvements in furnaces for burning or consuming smoke, more especially applicable to the furnaces of boilers." <i>Provisional protection only.</i>
THOMSON. 8th November 1866.	2908. JAMES THOMSON, of New Wandsworth, in the County of Surrey, for an invention for—"Improvements in gas stoves for heating and cooking." <i>Letters Patent sealed.</i>
SHAW. 8th November 1866.	2909. GEORGE SHAW, of Birmingham, in the County of Warwick, Patent Agent, for an invention for—"Improvements in the manufacture of coke and the small coke called breezes, and in the manufacture of coal gas."— <i>A communication to him from abroad by August Conrad Dewies, of Liège, in the Kingdom of Belgium.</i> <i>Letters Patent sealed.</i>
GEDGE. 8th November 1866.	2910. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 23, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"An improved method of and apparatus for preserving the banks of rivers and watercourses, or other embankments, from corrosion or wasting."— <i>A communication to him from abroad by Charles Nicoli, of Casatisma, near Pavia, Italy, Lawyer.</i> <i>Provisional protection only.</i>
EDWARDS. 8th November 1866.	2911. RICHARD JOHN EDWARDS, of Bow, in the County of Middlesex, Emery Manufacturer, for an invention for—"Improvements in the manufacture of emery and glass cloths, and in dressing and preparing woven fabrics for the same, and also in apparatus for cutting such cloths." <i>Letters Patent sealed.</i>
COOKE. 8th November 1866.	2912. JAMES SAMUEL COOKE, of Abingdon Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in axle-boxes."— <i>A communication to him from abroad by Joseph Green Cooke, of Vera Cruz, Mexico.</i> <i>Letters Patent sealed.</i>
GILES. STURGEON. 8th November 1866.	2913. ALFRED GILES, of Manchester, Engineer, and THOMAS STURGEON, of Burley, near Leeds, in the County of York, Engineer, for an invention for—"Improvements in machines for drying wool, corn, grain and other substances." <i>Letters Patent sealed.</i>
HORSLEY. KNIGHTON. 8th November 1866.	2914. THOMAS HORSLEY, of Kirkly Hall, Pinxton, in the County of Nottingham, Civil Engineer, and GEORGE KNIGHTON, of Riddings, near Alfreton, in the County of Derby, Foreman of Fitters, for an invention for—"Improvements in core bars or barrels." <i>Letters Patent sealed.</i>
KERSHAW. 9th November 1866.	2915. JOHN THOMAS KERSHAW, of No. 90, Saint Paul's Road, in the parish of Islington, in the County of Middlesex, Surveyor, for an invention for—"An improved ventilator." <i>Complete specification; protection for six months only.</i>
NORTON. 9th November 1866.	2916. CHARLES DOUGLAS NORTON, of No. 8, Roman Road, Barnsbury, in the County of Middlesex, for an invention for—"A new and improved method of making revolving boot and shoe heels." <i>Complete specification; Letters Patent sealed.</i>

- HEAPS.
9th November 1866. 2017. EDWARD KNOWLES HEAPS, of Leeds, in the County of York, Ironmonger, for an invention for—"Improvements in cooking ranges." *Letters Patent sealed.*
- CRICHTON.
CRICHTON.
DONBAVAND.
9th November 1866. 2018. DAVID CRICHTON, DUNCAN CRICHTON, and WILLIAM DONBAVAND, of the City of Manchester, in the County of Lancaster, Machinists, for an invention for—"Improvements in looms for weaving." *Provisional protection only.*
- CASSAP.
9th November 1866. 2019. WILLIAM CASSAP, of No. 3, Leadenhall Street, in the City of London, and of No. 6, Woodhouse Place, Stepney Green, in the County of Middlesex, Master Mariner, for an invention for—"Improvements in means for expediting the putting out of ships' boats." *Letters Patent sealed.*
- WOODROFFE.
9th November 1866. 2020. SOLOMON WILLIAM WOODROFFE, of Costock, in the County of Nottingham, Farmer, for an invention for—"Improvements in the construction of privies, dust-holes, commodes, water-closets, ash-pits and tank-covers, and for other similar purposes." *Letters Patent sealed.*
- JOHNSON.
9th November 1866. 2021. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in fastenings or couplings."—*A communication to him from abroad by Emile Elie Thiercelin, of Paris, in the Empire of France.* *Letters Patent sealed.*
- DÖERING.
9th November 1866. 2022. FREDERICK BERNARD DÖERING, of Bayswater, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in engines for boring rock and other mineral, and in frames or stands for boring engines." *Letters Patent sealed.*
- NEWTON.
9th November 1866. 2023. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in pocket knives."—*A communication to him from abroad by William Sausser, of Hannibal, in the State of Missouri, United States of America.* *Letters Patent sealed.*
- NEWTON.
9th November 1866. 2024. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in treating vegetable substances, chiefly applicable to the manufacture of paper pulp and fibres."—*A communication to him from abroad by Benjamin Chew Tilghman, of Philadelphia, Pennsylvania, United States of America.* *Letters Patent sealed.*
- GOBERT.
10th November 1866. 2025. AUGUSTE GOBERT, of 49, Rue du Marché, in the City of Brussels, in the Kingdom of Belgium, but now staying at the Great Northern Hotel, King's Cross, for an invention for—"An improved method of lubricating axle-trees of fixed engines." *Letters Patent sealed.*
- BONNEVILLE.
10th November 1866. 2026. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved manure obtained by an improved process of purifying foul waters."—*A communication from Jules Houzeau and Eugène Devedeiz, both resident at 72, Boulevard Sebastopol, Paris, in the Empire of France, Manufacturers.* *Complete specification; Letters Patent sealed.*
- BONNEVILLE.
10th November 1866. 2027. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus for pumping or ventilating."—*A communication from Paschal Joseph Hognoul, a person resident at Liège, in the Kingdom of Belgium, Engineer.* *Complete specification; Letters Patent sealed.*
- BONNEVILLE.
10th November 1866. 2028. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in coffee hullers."—*A communication from Albert Angell, a person resident at Newburgh, in the State of New York, Henry Truman Bosturck Hayes, a person resident at Medford, in the State of Massachusetts, and Andrew McKenney, a person resident at Boston, in the State of Massachusetts, aforesaid, United States of America.* *Letters Patent sealed.*

BONNEVILLE. 10th November 1866.	2929. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved greasing apparatus to diminish friction."— <i>A communication from Paul Beljambe, a person resident at Place Napoléon, Lyons, in the Empire of France, Merchant.</i> <i>Provisional protection only.</i>
BONNEVILLE. 10th November 1866.	2930. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"A new and improved sorter, and a drilling machine connected therewith."— <i>A communication from Jacques Lhuillier, a person resident at Place Napoléon, Lyons, Mechanician and Constructor.</i> <i>Complete specification; Letters Patent sealed.</i>
BONNEVILLE. 10th November 1866.	2931. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus to excavate, deepen, scour and remove the mud, slime, sand, earth, shoal, gravel, stones, shingle or such like bodies, out of harbours, havens, docks, creeks, guts, bars, channels, water-courses, sluices, basins, lakes, ponds, marshes and similar places."— <i>A communication from Jean Louis Vergniais and Julien Appollinaire Chéron, both residing at Rue Mogador, in Paris, aforesaid, Civil Engineers.</i> <i>Complete specification; Letters Patent sealed.</i>
LITTLE. 10th November 1866.	2932. GEORGE LITTLE, a native of the Kingdom of Great Britain, but at present residing in the City and State of New York, in the United States of America, for an invention for—"Improvements in instruments for transmitting telegrams between remote places, especially adapted for submarine and subterranean lines of communication."— <i>Complete specification; Letters Patent sealed.</i>
ROBERTSON. WADDELL. 10th November 1866.	2933. WILLIAM ROBERTSON, and CHARLES JAMES WADDELL, both of the City of Manchester, in the County of Lancaster, Engineers, for an invention for—"Improvements in carding-engines."— <i>Letters Patent sealed.</i>
WHITE. 10th November 1866.	2934. GEORGE WHITE, of 68, Queen Street, Cheapside, in the City of London, Patent Agent, for an invention for—"An improved steam-engine."— <i>A communication to him from abroad by Mr. Ernesto Ansaldo, Mechanical Engineer, Leghorn, Italy.</i> <i>Letters Patent sealed.</i>
HITCHINS. WOOD. 10th November 1866.	2935. HENRY HITCHINS, of No. 28, Grosvenor Street West, Eaton Square, and WILLIAM WOOD, of No. 27, New Weston Street, Bermondsey, for an invention for—"Improvements in machinery for cutting or dressing stone for building purposes, and for moulding and turning same for architectural purposes."— <i>Provisional protection only.</i>
DONISTHORPE. 10th November 1866.	2936. FREDERICK BRUCE DONISTHORPE, of Leicester, in the County of Leicester, Manufacturer, for an invention for—"Improvements in finishing parts of woollen garments."— <i>Letters Patent sealed.</i>
JOSSE. 10th November 1866.	2937. GUSTAVE JOSSE, of Giltspur Street, in the City of London, for an invention for—"Improvements in ornamenting and reducing certain figured and embossed surfaces for various useful purposes."— <i>Provisional protection only.</i>
CAULKINS. ARMSTRONG. 10th November 1866.	2938. JULIUS FRANK CAULKINS, Master Mariner, and WILLIAM JOHN ARMSTRONG, Master Mariner, both of Brooklyn, in the State of New York, one of the United States of America, but at present residing at Liverpool, in the County of Lancaster, for an invention for—"An improvement in the construction of ships' anchors."— <i>Provisional protection only.</i>
SKAIFE. 10th November 1866.	2939. THOMAS SKAIFE, of 32, Sussex Place, Regent's Park, in the County of Middlesex, for an invention for—"Improved apparatus to be used in obtaining photograms."— <i>Letters Patent sealed.</i>
KORSHUNOFF. 10th November 1866.	2940. NICHOLAS KORSHUNOFF, of Birmingham, in the County of Warwick, Civil Engineer, for an invention for—"Improvements in the manufacture and casting of malleable iron and steel, and in furnaces and apparatus employed in the said manufacture, part of which improvements in apparatus is applicable to other purposes."— <i>Letters Patent sealed.</i>

- LAKIN.
WAIN.
10th November 1866. 2941. ROBERT LAKIN, of the City of Manchester, Machinist, and JOHN WAIN, of the same place, Mechanic, for an invention for—"Improvements in machines for spinning and doubling cotton and other fibrous materials." *Letters Patent sealed.*
- TONGUE.
10th November 1866. 2942. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in machinery for cutting and heading nails."—*A communication to him from abroad by Jacob Russell, Henry Townsend McCoun, James Lemuel Romer and Thomas Townsend Buckley, all of the City of Brooklyn, in the County of Kings, and State of New York, United States of America.* *Letters Patent sealed.*
- JOHNSON.
10th November 1866. 2943. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of chains and in the machinery or apparatus employed therein."—*A communication to him from abroad by Josiah Copley the younger, of Allegheny City, State of Pennsylvania, United States of America.* *Letters Patent sealed.*
- JOHNSON.
10th November 1866. 2944. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in file cutting machines."—*A communication to him from abroad by Henry Comer, William Hesperheide and Samuel Rose, all of the City of Pittsburgh, State of Pennsylvania, United States of America.* *Letters Patent sealed.*
- SWINNOCK.
10th November 1866. 2945. WILLIAM GEORGE EDWARD SWINNOCK, of Acton, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in lace fabrics."—*A communication to him from abroad by Auguste Pascal, Lace Manufacturer, of Puy (Haute Loire), and Felix Varenne, Merchant, of Paris, both in the Empire of France.* *Complete specification; protection for six months only.*
- CLARK.
10th November 1866. 2946. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in breech-loading fire-arms and cartridges."—*A communication to him from abroad by Martial Pidault and Guillaume Elièze, otherwise Lagrèze, Gunmakers, and Jules Felix Gévelot, Manufacturer, all of 29, Boulevard St. Martin, Paris.* *Letters Patent sealed.*
- CRAWSHAY.
THOMAS.
10th November 1866. 2947. GEORGE CRAWSHAY, of the firm of Hawks, Crawshay and Sons, Iron Works, Gateshead-on-Tyne, in the County of Durham, and JOHN THOMAS, of Newcastle-on-Tyne, in the County of Northumberland, for an invention for—"Improvements in the treatment of scoria or slag of copper ores, or scoria from other ores containing iron, in order to extract the iron therefrom, and in refining pig or cast iron to improve the quality of wrought or cast iron." *Letters Patent sealed.*
- CRAWSHAY.
THOMAS.
10th November 1866. 2948. GEORGE CRAWSHAY, of the firm of Hawks, Crawshay and Sons, Iron Works, Gateshead-on-Tyne, in the County of Durham, and JOHN THOMAS, of Newcastle-on-Tyne, in the County of Northumberland, for an invention for—"Improvements in refining pig or cast iron for puddling into wrought or malleable iron." *Letters Patent sealed.*
- DENLEY.
10th November 1866. 2949. JOHN DENLEY, of Cheltenham, in the County of Gloucester, for an invention for—"Improvements in chimney tops for the purpose of preventing or curing the down draught of smoke." *Letters Patent sealed.*
- PIDDING.
12th November 1866. 2950. WILLIAM PIDDING, of the Cottage, Kensington Palace Avenue, in the County of Middlesex, Gentleman, for an invention for—"Improvements in the manufacture of bricks, and in the application or uses of the same." *Provisional protection only.*
- PERRY.
12th November 1866. 2951. GEORGE PERRY, of Birmingham, in the County of Warwick, Engraver and Engine Turner, for an invention for—"Improvements in lockets, brooches and other articles of jewellery." *Letters Patent sealed.*
- MURRAY.
12th November 1866. 2952. DIGBY MURRAY, of Ormskirk, in the County of Lancaster, for an invention for—"Improvements in apparatus to be used for lowering boats." *Letters Patent sealed.*
- INGRAM.
STAPPER.
12th November 1866. 2953. JAMES INGRAM, Merchant, and HEINRICH STAPPER, Dentist, both of the City of Manchester, and County of Lancaster, for an invention for—"Improvements in apparatus for testing the lubricity of oils and other lubricants." *Letters Patent sealed.*

ROUTLEDGE. OMMANNEY. 12th November 1866.	2954. WILLIAM ROUTLEDGE, and FREDERICK FRANCIS OMMANNEY, of Salford, in the County of Lancaster, Engineers, for an invention for—"Improved self-acting apparatus for cutting or getting coal, boring rocks or other substances, which apparatus is also applicable to steam hammers, mortising machines and other similar purposes." <i>Provisional protection only.</i>
FREEMAN. 12th November 1866.	2955. GEORGE FREDRICK FREEMAN, of Broughton, near the City of Manchester, in the County of Lancaster, Metal Manufacturer, for an invention for—"A new composition applicable to rollers for calico printing and to other purposes." <i>Provisional protection only.</i>
BENTLEY. HAMPSON. 12th November 1866.	2956. JAMES BENTLEY, and WILLIAM HAMPSON, of the City of Manchester, in the County of Lancaster, Callenderers and Finishers, for an invention for—"Improvements in stretching woven fabrics during the processes of stiffening, sizing, drying or finishing them." <i>Letters Patent sealed.</i>
CRAWSHAY. THOMAS. 12th November 1866.	2957. GEORGE CRAWSHAY, of the firm of Hawks, Crawshay and Sons, Iron Works, Gateshead-on-Tyne, in the County of Durham, and JOHN THOMAS, of Newcastle-on-Tyne, in the County of Northumberland, for an invention for—"Improvements in the treatment of titaniferous iron ores, and in extracting iron therefrom, also for utilising the scoria produced." <i>Letters Patent sealed.</i>
NEWTON. 12th November 1866.	2958. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Certain improvements in coal oil lamps."— <i>A communication to him from abroad by George Hall, of Baltimore, in the State of Maryland, United States of America.</i> <i>Letters Patent sealed.</i>
CADMAN. 12th November 1866.	2959. JOHN RICHARD CADMAN, of the firm of John Drew, of Christopher Street, Hatton Garden, in the County of Middlesex, Cabinet Joiner, for an invention for—"Improved means of forming joints between sashes, doors, drawers and other structures, and the frames in which they move or are fitted." <i>Letters Patent sealed.</i>
HAWKINS. 12th November 1866.	2960. ABDIEL HAWKINS, of No. 65, Hatton Garden, in the County of Middlesex, for an invention for—"Improvements in sculpturing or forming ornamental and other devices on and in marble, stone and other substances." <i>Letters Patent sealed.</i>
STEVENSON. FRANCE. 12th November 1866.	2961. JAMES COCHRAN STEVENSON, of South Shields, in the County of Durham, and GEORGE THORNTON FRANCE, of Gateshead, in the County of Durham, for an invention for—"Improvements in the manufacture of soda or alkali." <i>Provisional protection NOT granted.</i>
CRAWFORD. CRAWFORD. 12th November 1866.	2962. HUGH CRAWFORD, and JAMES CRAWFORD, both of Barr Mill, Beith, in the County of Ayr, North Britain, Manufacturers, for an invention for—"Improvements in finishing thread and yarns, and in the machinery or apparatus employed therefor." <i>Provisional protection only.</i>
MOLINEUX. 13th November 1866.	2963. THOMAS MOLINEUX, of 37, John Dalton Street, in the City of Manchester, and County of Lancaster, Music Seller, for an invention for—"Improvements in pianofortes." <i>Provisional protection only.</i>
BRIERLEY. 13th November 1866.	2964. LEONARD BRIERLEY, of Birmingham, in the County of Warwick, Metallic Bedstead Manufacturer, for an invention for—"Improvements in metallic bedsteads, cots and couches." <i>Letters Patent sealed.</i>
WHITEHEAD. 13th November 1866.	2965. GEORGE WHITEHEAD, of Liverpool, in the County of Lancaster, Chimney Sweeper and Smoke Jack Cleaner, for an invention for—"Improvements in chimney tops or cowls." <i>Letters Patent sealed.</i>
MOSELEY. 13th November 1866.	2966. CHARLES MOSELEY, of the City of Manchester, India-rubber Manufacturer, for an invention for—"Improvements in machinery for the manufacture of india-rubber thread." <i>Letters Patent sealed; no specification filed.</i>
MACDONALD. 13th November 1866.	2967. WILLIAM STEVENSON MACDONALD, of the City of Manchester, in the County of Lancaster, Practical Chemist, for an invention for—"Improvements in the method and means of cleansing textile and other fabrics and materials, also in the method and means of cleansing and preparing textile and other fabrics and materials to be dyed, or printed and dyed." <i>Letters Patent sealed.</i>

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| <p>HARDING.
13th November 1866.</p> <p>SCHOLEY.
13th November 1866.</p> <p>TONGUE.
13th November 1866.</p> <p>BROOMAN.
13th November 1866.</p> <p>CLARK.
13th November 1866.</p> <p>DÄHNE.
THOMAS.
13th November 1866.</p> <p>BROWN.
13th November 1866.</p> <p>MARSTON.
13th November 1866.</p> <p>BELLEVILLE.
14th November 1866.</p> <p>PAYNE.
14th November 1866.</p> <p>WHITEHEAD.
14th November 1866.</p> <p>BATHIAS.
14th November 1866.</p> <p>BONNEVILLE.
14th November 1866.</p> | <p>2968. JOHN HARDING, of the Woodeaves Mills, Tissington, in the County of Derby, Cotton Spinner, for an invention for—"Improvements in machines for doubling cotton and other fibrous materials." <i>Letters Patent sealed.</i></p> <p>2969. AUGUSTUS SCHOLEY, of Cunningham House, St. John's Wood Road, in the County of Middlesex, Gentleman, for an invention for—"Improvements in nails or similar fastenings." <i>Provisional protection only.</i></p> <p>2970. JOHN GARRETT TONGUE, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms."—<i>A communication to him from abroad by James Amsler-Laffon, Mechanical Engineer, of Paris, in the Empire of France. Provisional protection only.</i></p> <p>2971. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved method of and arrangement of engine for towing or hauling barges and other vessels, which arrangement of engine is also applicable for other tractive purposes."—<i>A communication to him from abroad by Urbain André Chauveau and Henri Marie Joseph Le Nepveu de Carfort, both of Paris, France. Provisional protection only.</i></p> <p>2972. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the preparation or treatment of fabrics or materials for the manufacture of various useful articles."—<i>A communication to him from abroad by Rufina Nöggerath-Temmerman, Widow, of 29, Boulevard St. Martin, Paris. Letters Patent sealed.</i></p> <p>2973. FRIEDERICH WILHELM DÄHNE, of Swansea, and DAVID THOMAS, of Cwm Avon Taibach, South Wales, Engineers, for an invention for—"Improvements in picks or mandrils such as are used for cutting coal and other minerals." <i>Letters Patent sealed.</i></p> <p>2974. JULIA PARRIS BROWN, of the State of Massachusetts, of the United States of America, for an invention for—"Improvements in bedsteads and in their application in apartments." <i>Complete specification; Letters Patent sealed.</i></p> <p>2975. WILLIAM WALKER MARSTON, of the City and State of New York, United States of America, for an invention for—"Improvements in machinery for carving wood, metal, marble or other material, to the shape of a pattern." <i>Letters Patent sealed.</i></p> <p>2976. JULIEN FRANÇOIS BELLEVILLE, Engineer, of Paris, in the Empire of France, for an invention for—"A new or improved spring regulator applicable to various industrial purposes, also applicable as a pressure gauge." <i>Complete specification; Letters Patent sealed.</i></p> <p>2977. EDWARD JOHN PAYNE, of Birmingham, in the County of Warwick, Architect, for an invention for—"An improved mode of authenticating or confirming telegraphic dispatches, and for apparatus to be employed therein."—<i>A communication to him from abroad by John Haffenden, of Manilla, Gentleman. Provisional protection only.</i></p> <p>2978. JAMES WHITEHEAD, of Broughton, near the City of Manchester, in the County of Lancaster, Gentleman, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i></p> <p>2979. CLAUDE MARIE BATHIAS, of 164, Rue Montmartre, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Civil Engineer, for an invention for—"An improved apparatus for registering the speed of machinery or the distance travelled by vehicles." <i>Letters Patent sealed.</i></p> <p>2980. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus to teach book-keeping."—<i>A communication from Jean Hippolyte Savoureau, a person resident at the Palace of the Tuileries, Paris, aforesaid, Chief of Office at the Ministry of the Imperial Household and the Fine Arts. Letters Patent sealed.</i></p> |
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BONNEVILLE. 14th November 1866.	2981. HENRI ADRIEN BONNEVILLE, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, for an invention for—"A mode of treating the bark of the mulberry tree for the production of a new fibrous substance or vegetable silk."— <i>A communication from Lucien Tracol-Faye, a person resident at Saint Etienne, in the Department of the Loire, Empire of France, aforesaid, Gentleman.</i> <i>Provisional protection only.</i>
CLAPPERTON. 14th November 1866.	2982. WILLIAM CLAPPERTON, Manager to Messrs. John McDowall and Sons, Walkinshaw Foundry, of Johnstone, in the County of Renfrew, North Britain, for an invention for—"Improvements in multiple drilling machines." <i>Provisional protection only.</i>
TRUSS. 14th November 1866.	2983. THOMAS SEAVILLE TRUSS, of 118, Fenchurch Street, in the City of London, Civil Engineer, for an invention for—"Improvements in the construction of pipes, and in the mode of joining the same, for the transmission of gas, water, steam, air and other fluids." <i>Letters Patent sealed.</i>
CLARK. 14th November 1866.	2984. JOHN CLARK, of Paddington, in the County of Middlesex, Engineer, for an invention for—"Improvements in railway breaks." <i>Provisional protection only.</i>
HUGHES. 14th November 1866.	2985. HESKETH HUGHES, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Improvements in the manufacture of tubes and other articles, and in the apparatus employed therein." <i>Letters Patent sealed.</i>
PAGE. 14th November 1866.	2986. THOMAS PAGE, of the Adelphi, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in locomotive engines and their permanent ways, applicable for steep gradients and Alpine locomotion." <i>Letters Patent sealed.</i>
CLARK. 14th November 1866.	2987. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in locks."— <i>A communication to him from abroad by Auguste Léon Gennerat, Architect, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
MORRELL. 14th November 1866.	2988. JAMES CONYERS MORRELL, of Leyland, in the County of Lancaster, for an invention for—"Improvements in the construction of dry closets, and in apparatus for preparing manure." <i>Provisional protection only.</i>
LYTTLE. 15th November 1866.	2989. WILLIAM ALEXANDER LYTTLE, Officer of the Secretary's Department, General Post Office, London, for an invention for—"Improvements in steam generators." <i>Letters Patent sealed.</i>
LAKE. 15th November 1866.	2990. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by George Crompton, of Worcester, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
LAMPSON. 15th November 1866.	2991. HENRY LAMPSON, of 64, Queen Street, Cheapside, in the City of London, Merchant, for an invention for—"Improvements in connecting together the ends of iron or other metal bands used in baling cotton, wool and other bale goods packed under pressure." <i>Letters Patent sealed.</i>
VAUGHTON. VAUGHTON. 15th November 1866.	2992. THOMAS VAUGHTON, and OLIVER VAUGHTON, of Birmingham, in the County of Warwick, trading under the style or firm of Vaughton and Sons, Jewellers, for an invention for—"Certain improvements in the construction of articles of jewellery." <i>Provisional protection NOT granted.</i>
ATKINSON. 15th November 1866.	2993. WILLIAM NEWCOMBE ATKINSON, of Craigmore, Newry, Ireland, for an invention for—"Improvements in power looms." <i>Provisional protection only.</i>
ERSKINE. 15th November 1866.	2994. JAMES ERSKINE, of Wigtown, in the County of Wigtown, in Scotland, for an invention for—"Improvements in the construction of steam-engines." <i>Provisional protection only.</i>
NICHOLS. 15th November 1866.	2995. JOHN NICHOLS, of Pendleton, near Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery for wringing yarns." <i>Letters Patent sealed.</i>
HODGES. 15th November 1866.	2996. EDWIN CHARLES HODGES, of Florence Street, Islington, in the County of Middlesex, Gun Maker, for an invention for—"Improvements in the construction of breech-loading fire-arms." <i>Letters Patent sealed.</i>

- BERNIERI.**
15th November 1866. 2997. LUIGI BERNIERI, of Victoria Grove, Kensington, in the County of Middlesex, for an invention for—"Improvements in photography." *Letters Patent sealed.*
- HUMPHRYS.**
15th November 1866. 2998. EDWARD HUMPHRYS, of Deptford, in the County of Kent, for an invention for—"Improvements in machinery used in propelling vessels." *Provisional protection only.*
- DAFT.**
15th November 1866. 2999. THOMAS BARNABAS DAFT, of Cleves Lodge, Church Street, Chelsea, Civil Engineer, for an invention for—"Improvements in constructing harbours." *Letters Patent sealed.*
- KEMBLE.**
15th November 1866. 3000. JOHN KEMBLE, of Hatton Wall, in the County of Middlesex, Engineer, for an invention for—"Improvements in apparatus for marking or impressing railway and other tickets." *Provisional protection only.*
- DAWSON.**
15th November 1866. 3001. EDWARD DAWSON, of 12, Mount Pleasant, Darlington, in the County of Durham, for an invention for—"An improved method for consumption of smoke and saving of fuel, without the least loss of steam power." *Provisional protection only.*
- GRÜNE.**
15th November 1866. 3002. WILHELM GRÜNE, of Berlin, in the Kingdom of Prussia, Chemist, for an invention for—"A chemical decoration on gold, silver and other similar metals, and colours on porcelain, glass-wares, crystal-wares, delft-wares, potters' wares and similar matters, called 'Grüne's proceeding.'" *Letters Patent sealed.*
- SELLERS.**
16th November 1866. 3003. JAMES SELLERS, of Rawtenstall, in the County of Lancaster, for an invention for—"Improvements in looms for weaving." *Provisional protection only.*
- DRUCKER.**
16th November 1866. 3004. EDWARD DRUCKER, of No. 97, Cheapside, in the City of London, Merchant, for an invention for—"An improved combined punching and eyelet machine."—*A communication to him from abroad by William Sparks Thomson, of the Rue de Presbourg, Paris, in the Empire of France.* *Letters Patent sealed.*
- DAVIES.**
16th November 1866. 3005. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in the method of and apparatus for stopping or closing vessels."—*A communication to him from abroad by Pierre Labat, Mechanic, and Bassot Brothers, Merchants, of Paris, in the Empire of France.* *Provisional protection only.*
- DAVIES.**
16th November 1866. 3006. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in inkstands."—*A communication to him from abroad by Pierre Labat, Mechanic, and Bassot Brothers, Merchants, of Paris, in the Empire of France.* *Provisional protection only.*
- JOHNSON.**
16th November 1866. 3007. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in coverings for floors."—*A communication to him from abroad by James Hawthorne Spencer, of Philadelphia, Pennsylvania, United States of America.* *Letters Patent sealed.*
- VERO.**
16th November 1866. 3008. JAMES VERO, of Atherstone, in the County of Warwick, Bootmaker, for an invention for—"Improvements in the manufacture of boots and shoes." *Provisional protection only.*
- NEWTON.**
16th November 1866. 3009. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"A new manufacture of ladies' skirts."—*A communication to him from abroad by Morris Oppen, of the City and State of New York, United States of America.* *Letters Patent sealed.*
- BROOMAN.**
16th November 1866. 3010. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in spinning machinery."—*A communication to him from abroad by Guillaume Joseph Snakers, of Verviers, Belgium.* *Letters Patent sealed and specification filed by order.*
- WOOLLATT.**
16th November 1866. 3011. RICHARD WOOLLATT, of Taunton, in the County of Somerset, for an invention for—"A new or improved instrument to be employed in producing local anæsthesia." *Provisional protection only.*

DUNLOP. CROSSLEY. 16th November 1866.	3012. JOHN MACMILLAN DUNLOP, and FRANK CROSSLEY, both of Manchester, in the County of Lancaster, Engineers, for an invention for—"Improvements in machinery for cutting india-rubber." <i>Letters Patent sealed.</i>
HURST. 17th November 1866.	3013. JOHN WITHERDEN HURST, of Deptford, in the County of Kent, Master Mariner, for an invention for—"Improvements in the method of placing, stowing and employing life rafts on board ship." <i>Letters Patent sealed; no specification filed.</i>
BLAVIER. 17th November 1866.	3014. AIMÉ ETIENNE BLAVIER, Engineer of the Mines at Angers, in the Department of Maine and Loire (Empire of France), for an invention for—"An improved method of preserving cereals and other alimentary substances, both vegetable and animal." <i>Letters Patent sealed.</i>
ORFORD. 17th November 1866.	3015. CHARLES WYATT ORFORD, of Lifford, King's Norton, Worcestershire, Civil Engineer, for an invention for—"A new or improved portable bath." <i>Provisional protection only.</i>
BOLVIN. 17th November 1866.	3016. JULIEN BOLVIN, of No. 31, Rue d'Enghien, Paris, in the Empire of France, Mechanician, for an invention for—"An improved steam-engine." <i>Letters Patent sealed.</i>
DIXON. 17th November 1866.	3017. CHARLES WILLIAM DIXON, of Wickham Market, in the County of Suffolk, Engineer, for an invention for—"Improvements in slide valves." <i>Provisional protection only.</i>
KIRKALDY. 17th November 1866.	3018. DAVID KIRKALDY, of Southwark, in the County of Surrey, Engineer, for an invention for—"An improved instrument for ascertaining correct measurements." <i>Letters Patent sealed.</i>
MARIN. 17th November 1866.	3019. NICOLAS MICHEL MARIN, of the Avenue de Paris, at Saint Denis (Seine), in the Empire of France, Gentleman, for an invention for—"Improvements in knapsacks, valises and other portable cases." <i>Provisional protection only.</i>
EVANS. 17th November 1866.	3020. ISAAC EVANS, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in braces." <i>Letters Patent sealed.</i>
GOSSAGE. 17th November 1866.	3021. FREDERICK HERBERT GOSSAGE, of Widnes, in the County of Lancaster, Soap Manufacturer, for an invention for—"Improvements in preparing cotton seeds for the process of decortication." <i>Provisional protection only.</i>
WEBLEY. 17th November 1866.	3022. THOMAS WILLIAM WEBLEY, of 84, Weaman Street, Birmingham, in the County of Warwick, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
GEDGE. 17th November 1866.	3023. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of Number 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Certain improvements applied to clocks and to the receiving apparatus of telegraphs."— <i>A communication to him from abroad by Edouard Néel, of 39, Faubourg St. Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
GRUSON. 17th November 1866.	3024. JACQUES HERMANN AUGUSTE GRUSON, of Buckau, in the Kingdom of Prussia, Engineer, but at present residing at the Westminster Palace Hotel, in the City of Westminster, for an invention for—"Improvements in railway wheels and tyres, and in casting the same and other articles requiring a hard surface combined with strength and toughness." <i>Letters Patent sealed.</i>
NEWTON. 17th November 1866.	3025. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for submarine excavations."— <i>A communication to him from abroad by Claudius Edward Habicht, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
MORTON. 19th November 1866.	3026. ELLIS WESLEY MORTON, of Boston, Massachusetts, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Gentleman, for an invention for—"Improvements in wheels for carriages and vehicles."— <i>A communication to him from abroad by Ellis Johnson Morton, of Cambridge, Massachusetts, United States of America.</i> <i>Letters Patent sealed.</i>
GLENTON. 19th November 1866.	3027. SAMUEL GLENTON, of Bradford, in the County of York, for an invention for—"Improvements in the furnaces of steam-boilers." <i>Provisional protection only.</i>

- EARP.**
ASHTON.
 19th November 1866. 3028. THOMAS EARP, of Newark-on-Trent, in the County of Nottingham, Brewer, and RALPH ASHTON, of Ardwick, in the City of Manchester, and County of Lancaster, Coach Builder, for an invention for—"Improvements in or applicable to safety cabs and like vehicles." *Letters Patent sealed.*
- BERNARD.**
 19th November 1866. 3029. JULIAN BERNARD, of No. 47, Lincoln's Inn Fields, London, but at present residing at No. 50, George Square, Glasgow, North Britain, for an invention for—"Improvements in motive-power engines, parts of which are specially adapted for raising and forcing water, and for other mining purposes." *Letters Patent sealed; no specification filed.*
- PRICE.**
 19th November 1866. 3030. ASTLEY PASTON PRICE, of 47, Lincoln's Inn Fields, in the County of Middlesex, Consulting Chemist, for an invention for—"Improvements in the manufacture of carbonate of soda."—*A communication to him from abroad by Dr. Alfred Blügel, of Utrecht, in the Kingdom of Holland, Chemist.* *Letters Patent sealed.*
- WARDLAW.**
 19th November 1866. 3031. THOMAS WARDLAW, of Toughmill, Dunfermline, North Britain, for an invention for—"Improvements in reaping-machines." *Letters Patent sealed.*
- SIMPSON.**
 19th November 1866. 3032. CORTLAND HERBERT SIMPSON, of Bexhill, in the County of Sussex, Captain Royal Navy, for an invention for—"Improvements in steam-engines and propellers for propelling vessels." *Provisional protection only.*
- GRUSON.**
 19th November 1866. 3033. JAKUES HERMANN AUGUSTE GRUSON, of Buckau, in the Kingdom of Prussia, Engineer, but at present residing at the Westminster Palace Hotel, in the City of Westminster, for an invention for—"Improvements in armour plating for vessels of war, floating or land batteries, and fortifications." *Letters Patent sealed.*
- GREENWOOD.**
 19th November 1866. 3034. THOMAS GREENWOOD, of Leeds, in the County of York, Machine Maker, for an invention for—"Improvements in the construction of lathes." *Letters Patent sealed.*
- GRUSON.**
 19th November 1866. 3035. JAKUES HERMANN AUGUSTE GRUSON, of Buckau, in the Kingdom of Prussia, Engineer, but at present residing at the Westminster Palace Hotel, in the City of Westminster, for an invention for—"Improvements in gun carriages and in the means of working heavy ordnance." *Letters Patent sealed.*
- GIBBS.**
 19th November 1866. 3036. WILLIAM ALFRED GIBBS, of Gillwall Park, Sewardstone, Woodford, in the County of Essex, Gentleman, for an invention for—"Improvements in apparatus for drying hay and other cut crops, also in apparatus for raising or elevating the same." *Letters Patent sealed.*
- WHITLEY.**
 19th November 1866. 3037. THOMAS WHITLEY, of 12, Cobden Street, Bradford, in the County of York, Overlooker, for an invention for—"Improvements in machinery for combing wool and other fibre." *Letters Patent sealed; no specification filed.*
- CLARK.**
 19th November 1866. 3038. JOSIAH LATIMER CLARK, of 5, Westminster Chambers, Victoria Street, in the County of Middlesex, for an invention for—"Improvements in electric telegraphs." *Letters Patent sealed.*
- BAKER.**
 19th November 1866. 3039. Lieutenant-Colonel JAMES BAKER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in magnetic engines." *Provisional protection only.*
- CHAMBERS.**
 20th November 1866. 3040. WILLIAM CHAMBERS, of Whitefield, near Manchester, in the County of Lancaster, Bleacher, for an invention for—"Improvements in machinery for stiffening and finishing textile fabrics." *Letters Patent sealed.*
- GLADSTONE.**
 20th November 1866. 3041. THOMAS MURRAY GLADSTONE, Civil and Consulting Engineer, of York Chambers, Adelphi, Strand, in the City of Westminster, in the County of Middlesex, for an invention for—"Improvements in the manufacture of chains and chain cables, and in the machinery therefor." *Provisional protection only.*
- ABEL.**
 20th November 1866. 3042. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in drying tan and in the machinery or apparatus employed for that purpose."—*A communication to him from abroad by Laurent Bréval, of Paris, in the Empire of France.* *Letters Patent sealed.*

HASELTINE. 20th November 1866.	3043. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the construction of hay, manure and other forks."— <i>A communication to him from abroad by John Alexander Montgomery, of Williamsport, Pennsylvania, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
HUNTER. 20th November 1866.	3044. ADAM HUNTER, of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"An improved mode of ascertaining the true position of such vessels as have foundered at sea, and improvements in the apparatus or means connected therewith." <i>Provisional protection only.</i>
THOMAS. 20th November 1866.	3045. EVAN THOMAS, of Aberdare, in the County of Glamorgan, Ironmonger and Safety Lamp Manufacturer, for an invention for—"Improvements in safety lamps." <i>Letters Patent sealed.</i>
HARDCASTLE. 20th November 1866.	3046. ROBERT ANTHONY HARDCASTLE, of the Town and County of Newcastle-on-Tyne, for an invention for—"Improvements in machinery or apparatus for raising and lowering heavy bodies." <i>Provisional protection only.</i>
BROOMAN. 20th November 1866.	3047. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"A new or improved process or method of coating or covering iron and steel with copper or copper alloys."— <i>A communication to him from abroad by Mayeul Bernabé, of Paris, France.</i> <i>Letters Patent sealed.</i>
ROBERTSON. 20th November 1866.	3048. JOHN ROBERTSON, of Manchester, in the County of Lancaster, Machine Merchant, for an invention for—"Improvements in apparatus for regulating and controlling the pressure and flow of fluids." <i>Letters Patent sealed.</i>
GRUSON. 20th November 1866.	3049. JAKUES HERMANN AUGUSTE GRUSON, of Buckau, in the Kingdom of Prussia, Engineer, but at present residing at the Westminster Palace Hotel, in the City of Westminster, for an invention for—"Improvements in the construction of breech-loading ordnance." <i>Letters Patent sealed.</i>
HOWARD. BOUSFIELD. 20th November 1866.	3050. JAMES HOWARD, of Bedford, in the County of Bedford, Agricultural Engineer, and EDWARD TENNEY BOUSFIELD, of the same place, Engineer, for an invention for—"Improvements in the construction of reaping and mowing machines." <i>Letters Patent sealed.</i>
GRUSON. 20th November 1866.	3051. JAKUES HERMANN AUGUSTE GRUSON, of Buckau, in the Kingdom of Prussia, Engineer, but at present residing at the Westminster Palace Hotel, in the City of Westminster, for an invention for—"Improvements in the manufacture of guns or heavy ordnance of cast metal." <i>Letters Patent sealed.</i>
KNIGHT. 20th November 1866.	3052. EDWARD HENRY KNIGHT, of Washington, in the District of Columbia, United States of America, for an invention for—"Improvements in governors." <i>Letters Patent sealed.</i>
TASKER. 21st November 1866.	3053. JOHN TASKER, of Sheffield, in the County of York, Leather Merchant, for an invention for—"Improvements in door mats, which improvements are also applicable to coverings for floors of passages, offices and other places." <i>Letters Patent sealed.</i>
HASELTINE. 21st November 1866.	3054. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in volute springs."— <i>A communication to him from abroad by John Freeland and Daniel Ward, both of New York, United States of America.</i> <i>Letters Patent sealed.</i>
WAHAB. 21st November 1866.	3055. CHARLES JAMES WAHAB, of Valleyfield, North Britain, Civil Engineer, for an invention for—"Improvements in purifying polluted water." <i>Provisional protection only.</i>
CLARK. 21st November 1866.	3056. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in steam-boilers."— <i>A communication to him from abroad by Laurent Chevalier, Engineer, of 29, Boulevard St Martin, Paris.</i> <i>Letters Patent sealed.</i>
BRINDLEY. 21st November 1866.	3057. JOHN BRINDLEY, of Saint Alkmunds, in the County of Derby, for an invention for—"A new or improved artificial incubator." <i>Letters Patent sealed.</i>

NEWTON.
21st November 1866.

3058. ALFRED VINCENT NEWTON, of the Office for Patents, 65, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for manufacturing spikes and rivets."—*A communication to him from abroad by John Oliver Reilley and Alexander Wiley, both of Baltimore, in the State of Maryland, United States of America.*
Letters Patent sealed.

HASELTINE.
21st November 1866.

3059. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex. Civil Engineer, for an invention for—"An improved mode of and means for attaching casters to the stands of sewing-machines."—*A communication to him from abroad by Myron Perry, of the City, County and State of New York, United States of America.*

Complete specification ; Letters Patent sealed.

MOREWOOD.
21st November 1866.

3060. EDMUND MOREWOOD, of Cheam, in the County of Surrey, for an invention for—"Improvements in coating plates or sheets of metal."

Letters Patent sealed.

WESTMACOTT.
21st November 1866.

3061. PERCY GRAHAM BUCHANAN WESTMACOTT, of Elswick, Newcastle-on-Tyne, for an invention for—"Improvements in machinery for conveying, distributing, cleaning and conditioning corn and grain, also applicable for other articles in bulk."

Letters Patent sealed.

BARKER.
21st November 1866.

3062. JOHN BARKER, of Petra House, East Sheen, in the County of Surrey, Merchant, for an invention for—"Improvements in preserving corn or other grain, beans or seeds."—*A communication to him from abroad by Nicolas Valentin Haussmann, a person resident at 23, Rue St. Georges, Paris, in the Empire of France.*

Letters Patent sealed.

GLEDHILL.
21st November 1866.

3063. PETER GLEDHILL, of Newcastle-on-Tyne, Mechanical Engineer, for an invention for—"Improvements in machinery and apparatus to be used in cutting coal and other minerals."

Letters Patent sealed.

NICHOLSON.
22nd November 1866.

3064. JAMES NICHOLSON, of Oldham, in the County of Lancaster, Cashier, for an invention for—"Certain improvements in the manufacture of safes and other similar depositories, and in the construction thereof."

Provisional protection only.

HASELTINE.
22nd November 1866.

3065. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in machinery for drilling rocks."—*A communication to him from abroad by Charles Burleigh, of Fitchburgh, Massachusetts, United States of America.*

Complete specification ; Letters Patent sealed.

LE GUEN.
22nd November 1866.

3066. PIERRE RENÉ MARIE LE GUEN, of No. 30, Rue Voltaire, in the City of Brest, in the Department of Finistère, in the Empire of France, Officer in the French Artillery, for an invention for—"An improved process for combining tungsten with cast iron by conglomerating reduced wolfram."

Letters Patent sealed.

MCCOMAS.
22nd November 1866.

3067. THOMAS MCCOMAS, of Old Broad Street, in City of London, for an invention for—"Improvements in raising sunken vessels."—*A communication to him from abroad by Samuel William Maquay, of the Borough of Footscray, near the City of Melbourne, in the County of Bourke, in the Colony of Victoria, Electro-Chemical Plater and Gilder.*

Provisional protection only.

HOLIDAY.
22nd November 1866.

3068. RICHARD HOLIDAY, of 114, High Street, Poplar, in the County of Middlesex, for an invention for—"Improvements in distance signals on railways."

Provisional protection only.

BERRY.
TURNER.
VICKERMAN.
22nd November 1866.

3069. JOSIAH BERRY, and JOSEPH BROOKE TURNER, of Huddersfield, in the County of York, Manufacturers, and CHARLES VICKERMAN, of the same place, Manager, for an invention for—"Improvements in machinery or apparatus for twisting or doubling yarns or threads of wool or other fibrous substances."

Letters Patent sealed.

LAZONBY.
22nd November 1866.

3070. RICHARD EDMUND LAZONBY, of the City of Manchester, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for opening and cleaning fibrous materials."—*A communication to him from abroad by Charles G. Sargent, of Graniteville, Massachusetts, United States of America.*

Provisional protection only.

JOHNSON. 22nd November 1866.	3071. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in machinery or apparatus for raising, lowering, moving or transporting heavy bodies."— <i>A communication to him from abroad by Charles le Blanc, of Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
BROOMAN. 22nd November 1866.	3072. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"An improved construction of iron for ironing."— <i>A communication to him from abroad by Clemente Augusto d'Assumpcao, of Lisbon, Portugal.</i> <i>Letters Patent sealed.</i>
LAKE. 22nd November 1866.	3073. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved apparatus for tapping beer casks and other like vessels containing liquids under pressure."— <i>A communication to him from abroad by Thomas Marsh, Stephen Perry and John Balckom, all of Central Falls, Smithfield, Rhode Island, in the United States of America.</i> <i>Letters Patent sealed.</i>
STIDOLPH. STIDOLPH. MORLEY. 22nd November 1866.	3074. GEORGE FREDERICK STIDOLPH, JOHN STIDOLPH, and JOSEPH ROBERTS MORLEY, all of Woodbridge, in the County of Suffolk, for an invention for—"Improvements in shop fittings, applicable also to book shelves and other articles of furniture." <i>Letters Patent sealed.</i>
MAUNDER. 23rd November 1866.	3075. FREDERICK MAUNDER, of Barnstaple, for an invention for—"Preventing the recurrence of periods of excessive speculation and panic." <i>Provisional protection NOT granted.</i>
MARKS. 23rd November 1866.	3076. MYER MARKS, of 53, Richmond Road, Bayswater, London, W., in the County of Middlesex, for an invention for—"Improved digitorium, a small instrument to strengthen the wrists and fingers, and in connection with pianoforte, organ and harmonium playing." <i>Letters Patent sealed.</i>
KITCHEN. KITCHEN. SAMUELS. 23rd November 1866.	3077. JOHNSON KITCHEN, WILLIAM KITCHEN, and SAMUEL SAMUELS, Engineers, all of Accrington, in the County of Lancaster, for an invention for—"An improved railway break, a portion of the apparatus of which can also be employed as a means of communication between the guard and driver of a railway train." <i>Letters Patent sealed.</i>
RILEY. 23rd November 1866.	3078. ISAIAH RILEY, of Freeling Street, Caledonian Road, Islington, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of links or shackles for connecting chain cables and other chains." <i>Provisional protection only.</i>
GORE. GREEN. 23rd November 1866.	3079. WILLIAM HENRY POSTLETHWAITE GORE, of Langham Street, Portland Square, Esquire, and ROBERT GREEN, of Ladbroke Terrace, Bayswater, Gentleman, both in the County of Middlesex, for an invention for—"Improvements in constructing and repairing roads, and in apparatus to be employed therefor." <i>Letters Patent sealed.</i>
SMITH. 23rd November 1866.	3080. WILLIAM WASTENEYS SMITH, of Masborough, near Rotherham, in the County of York, Engineer, for an invention for—"An improved method of fixing or securing the tires of railway wheels." <i>Provisional protection only.</i>
ROBINSON. 23rd November 1866.	3081. JOHN ROBINSON, of Greenfield, in the County of York, Spinner, for an invention for—"Certain improvements in apparatus for economising fuel by retaining and applying heat to the heating of water." <i>Provisional protection only.</i>
ROBINSON. 23rd November 1866.	3082. JOHN ROBINSON, of Greenfield, in the County of York, Spinner, for an invention for—"Certain improvements in apparatus for economising fuel by retaining and applying heat to the heating of water in locomotive boilers." <i>Provisional protection only.</i>
POTTER. 23rd November 1866.	3083. ROBERT POTTER, M.A., Clerk, Bulkington, in the County of Warwick, for an invention for—"Improvements in the process of cleansing, purifying and bleaching various kinds of grain." <i>Letters Patent sealed.</i>
COULSON. 23rd November 1866.	3084. JOHN COULSON, of Stamford, in the County of Lincoln, Engineer, for an invention for—"Improvements in apparatus for elevating straw and other produce, also applicable to other purposes where gearing is required." <i>Letters Patent sealed.</i>

TYERMAN. 23rd November 1866.	3085. FREDERICK TYERMAN, of 38, Gracechurch Street, in the City of London, Architect and Surveyor, for an invention for—"Improvements in shades or protectors for shielding the eyes from the glare of strong light." <i>Letters Patent sealed.</i>
COLEMAN. COLEMAN. 23rd November 1866.	3086. JOSEPH JAMES COLEMAN, and THOMAS HENRY COLEMAN, both of Pontblyddyn, Mold, North Wales, for an invention for—"Improvements in the manufacture of hydraulic cements." <i>Provisional protection only.</i>
HARDING. HARDING. 23rd November 1866.	3087. THOMAS RICHARDS HARDING, of Leeds, Machinist, and THOMAS WALTER HARDING, of the same place, Machinist, for an invention for—"Improvements in machinery for drilling combs and hackles." <i>Provisional protection only.</i>
GLOVER. 23rd November 1866.	3088. FREDERICK ROBERT AUGUSTUS GLOVER, of St. Peter's College, Cambridge, Master of Arts, for an invention for—"An improved mode of and apparatus for raising and lowering persons, goods or articles, in dwelling-houses and other buildings." <i>Letters Patent sealed.</i>
FUNNELL. 24th November 1866.	3089. EDWARD FUNNELL, of 54, East Street, Brighton, in the County of Sussex, Watch and Clock Maker, for an invention for—"Improvements in electric signals for use on railways." <i>Provisional protection only.</i>
SIEMENS. 24th November 1866.	3090. CHARLES WILLIAM SIEMENS, of No. 3, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the means and apparatus employed for conveying telegraphic dispatches, letters and other light articles through tubes."— <i>Partly the result of a communication made to him from abroad by Dr. Werner Siemens, of Berlin, in the Kingdom of Prussia, and partly of an invention and discovery made by himself.</i> <i>Provisional protection only.</i>
SEITZ. 24th November 1866.	3091. CARL DIETRICH JULIUS SEITZ, of Sunderland, in the County of Durham, Manufacturing Chemist, for an invention for—"An improvement connected with the bleaching of fibrous substances, and with the manufacture of bleaching powder, bleach liquor or sulphuric acid." <i>Provisional protection only.</i>
CLEMENTS. 24th November 1866.	3092. HENRY MARTYN CLEMENTS, of Buckingham Terrace, Victoria Park, in the County of Middlesex, for an invention for—"Improvements in signals to be used upon railways." <i>Provisional protection only.</i>
MITCHELL. LAIRD. 24th November 1866.	3093. JAMES MITCHELL, of Wellington Chemical Works, Musselburgh, in the County of Midlothian, Manufacturing Chemist, and WILLIAM CUMMING LAIRD, of Leith, in the same County, Merchant, for an invention for—"A new or improved detergent material applicable to the cleansing of wool and other fibrous substances, and to all purposes where coarse soap is used." <i>Letters Patent sealed.</i>
JONES. 24th November 1866.	3094. RICHARD BOLTON JONES, of Nelson Terrace, City Road, Telegraphic Machinist, for an invention for—"Improvements in apparatus for transmitting and recording messages or signals." <i>Letters Patent sealed.</i>
BASS. 24th November 1866.	3095. WILLIAM BASS, of Little Broughton, in the County of Cumberland, Mechanical Engineer, for an invention for—"Certain improvements in machinery to be employed in the making of nails, spikes and other articles of a similar character." <i>Letters Patent sealed.</i>
JOHNSON. 24th November 1866.	3096. WILLIAM BECKETT JOHNSON, of Altrincham, in the County of Chester, Engineer, for an invention for—"Improvements in arranging and driving the shafting of 'loom sheds.' " <i>Letters Patent sealed.</i>
LEATHER. 24th November 1866.	3097. JOHN KNOWLES LEATHER, of St. Helen's, in the County of Lancaster, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of salts of soda and potash." <i>Letters Patent sealed.</i>
HASELTINE. 24th November 1866.	3098. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in looms for manufacturing pile fabrics, part of which improvements are applicable to the manufacture of other fabrics."— <i>A communication to him from abroad by William Greenwood Hartley, of Saxonville, Massachusetts, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
SOUTHALL. HEAP. TASKER. 24th November 1866.	3099. CHARLES HENRY SOUTHALL, and ROBERT HEAP, of Staleybridge, in the County of Lancaster, and JOHN TASKER, of Sheffield, in the County of York, for an invention for—"Improvements in self-acting machinery or apparatus for uniting together two or more strips of leather or other material, to be used as machine belts, straps or bands, or for other similar purposes." <i>Letters Patent sealed.</i>

BOTWOOD. 24th November 1866.	3100. WILLIAM BOTWOOD, of No. 105, St. Helen's Street, Ipswich, in the County of Suffolk, for an invention for—"Improvements in apparatus for raising and lowering the heads of carriages." <i>Letters Patent sealed.</i>
WOOD. 24th November 1866.	3101. CHARLES WOOD, of Tees Iron Works, Middlesbro'-on-Tees, for an invention for—"Improvements in apparatus for measuring the temperature of currents of air or fluid." <i>Provisional protection only.</i>
BUCKLEY. 26th November 1866.	3102. JOHN BUCKLEY, of Royton, in the County of Lancaster, Spinner, for an invention for—"Certain improvements in apparatus or mechanism for preparing and spinning cotton or other fibrous substances." <i>Provisional protection only.</i>
GEDGE. 26th November 1866.	3103. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved machinery or apparatus for manufacturing wadding."— <i>A communication to him from abroad by Jean Marie Lazare Long, Wadding Manufacturer, of No. 15, Passage des Petites Ecuries, Paris, France.</i> <i>Provisional protection only.</i>
GEDGE. 26th November 1866.	3104. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"An improved apparatus for evaporating the juices of various substances."— <i>A communication to him from abroad by Jean Louis Lompret-Dumont, of 39, Faubourg St. Martin, Paris, France.</i> <i>Provisional protection only.</i>
THOMSON. 26th November 1866.	3105. WILLIAM RICHARD MIDDLEMORE THOMSON, of the Artizan Office for Patents, No. 20, Buchanan Street, in the City of Glasgow, and County of Lanark, North Britain, Engineer and Patent Agent, for an invention for—"Improvements in the modes of cutting metal tubes or pipes, and in the machinery or tools employed for these and other analogous purposes."— <i>The same is the result partly of a communication from abroad made to him by Nicholas Thomas and Thomas Somerville, both of the City of Chicago, in the State of Illinois, in the United States of America, and partly of invention and discovery made by him.</i> <i>Letters Patent sealed.</i>
NEWTON. 26th November 1866.	3106. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved process for extracting oil and paraffine from bituminous substances, such as peat or coal."— <i>A communication to him from abroad by S. Lloyd Wiegand, of Philadelphia, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
BOYD. 26th November 1866.	3107. JAMES EDWARD BOYD, of Hither Green, Lewisham, in the County of Kent, Gentleman, for an invention for—"Improvements in grass or lawn mowing machines." <i>Letters Patent sealed.</i>
MORGAN. MORGAN. 26th November 1866.	3108. GEORGE HENRY MORGAN, and EDWARD MORGAN, both of the Edgware Road, in the County of Middlesex, for an invention for—"Improvements in carriages." <i>Provisional protection only.</i>
TAYLOR. 26th November 1866.	3109. WILLIAM TAYLOR, of the Temple Mills, Dundee, North Britain, for an invention for—"Improvements in the treatment and spinning of jute, hemp, flax and other fibrous substances, and the machinery or apparatus employed therein." <i>Letters Patent sealed.</i>
HARRISON. 26th November 1866.	3110. WILLIAM HENRY HARRISON, of 98, Park Street, Regent's Park, London, for an invention for—"An improved method or mode of producing optical illusions for dramatic and other like exhibitions." <i>Provisional protection only.</i>
BARRON. 26th November 1866.	3111. THOMAS JABEZ BARRON, of the City and State of New York, in the United States of America, Manufacturing Chemist, for an invention for—"A new and improved method or process for converting iron into steel by the action of certain gases, and for producing gases for such purpose." <i>Letters Patent sealed.</i>
SHALER. 26th November 1866.	3112. NATHANIEL SOUTHGATE SHALER, of Cambridge, Massachusetts, United States of America, for an invention for—"Improvements in preserving animal and vegetable substances." <i>Letters Patent sealed.</i>
COURTENAY. 26th November 1866.	3113. ROBERT HENELADE COURTENAY, of No. 4, Meyrick Road, Clapham Junction, in the County of Surrey, for an invention for—"Improvements in the preparation of printing surfaces by the aid of photography." <i>Provisional protection only.</i>

- CLARK.
26th November 1866. 3114. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture or preparation of leather and other materials."—*A communication to him from abroad by Jean François Piedallu, Lieutenant Colonel in the Artillery Train, of 29, Boulevard St. Martin, Paris.* Letters Patent sealed.
- JOHNSON.
27th November 1866. 3115. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improvements in woollen and other yarn or twisted strands, and in the machinery or apparatus employed in treating the same."—*A communication to him from abroad by Edward Tucker Cooper Lutton, of Philadelphia, Pennsylvania, United States of America.* Letters Patent sealed.
- FOURNET.
NADAUD.
27th November 1866. 3116. AUGUSTE FOURNET, and OCTAVE NADAUD, of 29, Tichborne Street, Piccadilly, London, in the County of Middlesex, for an invention for—"A magic camera." Letters Patent sealed.
- CROCKFORD.
27th November 1866. 3117. CHARLES CROCKFORD, of Holywell, in the County of Flint, Gentleman, for an invention for—"Improvements in the reduction and treatment of zinc ores in the manufacture of spelter, and in the utilization of the products resulting therefrom, and also in the construction of the furnaces and apparatus employed for such purposes." Letters Patent sealed.
- CROCKFORD.
27th November 1866. 3118. CHARLES CROCKFORD, of Holywell, in the County of Flint, Gentleman, for an invention for—"Improvements in obtaining useful products from certain materials produced in the process of galvanizing or coating iron with zinc." Provisional protection only.
- KERFOOT.
27th November 1866. 3119. JOHN KERFOOT, of Blackburn, in the County of Lancaster, Manager, for an invention for—"Improvements in mules for spinning and doubling cotton and other fibrous substances." Provisional protection only.
- ATTERBURY.
WOOLF.
27th November 1866. 3120. JOHN HENRY ATTERBURY, of Castleford, and SYDNEY WOOLF, of Knottingley, in the County of York, for an invention for—"Improved means and machinery for the manufacture of earthenware and other articles made from plastic materials." Letters Patent sealed.
- LAW.
27th November 1866. 3121. JAMES LAW, of Cleckheaton, in the County of York, Card Maker, for an invention for—"Improvements in machinery for carding wool and other fibrous substances." Provisional protection only.
- DICKINS.
HEYWOOD.
HOLLAND.
27th November 1866. 3122. THOMAS DICKINS, and HARVEY HEYWOOD, of Middleton, in the County of Lancaster, Dyers and Printers, and JOHN HOLLAND, of the same place, Mechanic, for an invention for—"Improvements in furnaces and steam-boilers." Letters Patent sealed.
- NEWTON.
27th November 1866. 3123. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improved machinery for making cast-steel railway wheels and other castings in metal."—*A communication to him from abroad by John Blake Tarr, of Chicago, in the State of Illinois, United States of America.* Letters Patent sealed.
- CLARK.
27th November 1866. 3124. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the means and apparatus for indicating the time and distance travelled by vehicles."—*A communication to him from abroad by Jules Henry Delaunay, Civil Engineer, of 29, Boulevard St. Martin, Paris.* Letters Patent sealed.
- GEORGE.
27th November 1866. 3125. RICHARD GEORGE, of High Street, Watford, in the County of Hertford, Engineer, for an invention for—"Improvements in machinery or apparatus for obtaining motive-power." Provisional protection only.
- TOMLIN.
HOOK.
27th November 1866. 3126. JOHN TOMLIN, of 7, Wilson Street, Finsbury, and CHARLES HOOK, of 6, Trinity Grove, Maidenstone Hill, Greenwich, for an invention for—"The manufacture of gas and the preparation of fuel." Provisional protection NOT granted.
- BACKHOUSE.
28th November 1866. 3127. GEORGE BACKHOUSE, of Blue Pits, near Rochdale, in the County of Lancaster, Card and Pasteboard Manufacturer, for an invention for—"Improvements in machinery or apparatus for manufacturing cardboard or pasteboard." Provisional protection only.

NORFOLK. 28th November 1866.	3128. RICHARD NORFOLK, of Beverley, in the County of York, Managing Director of the Beverley Iron and Wagon Company, Limited, for an invention for—"Improvements in reaping-machines and other agricultural implements in which endless delivering chains are or may be employed, and in machinery for making such chains." <i>Letters Patent sealed.</i>
TIMMINS. 28th November 1866.	3129. HENRY TIMMINS, of No. 10, Soho Square, in the County of Middlesex, Machinist, for an invention for—"Improvements in furniture springs and in machinery to be employed in the manufacture of furniture springs." <i>Letters Patent sealed.</i>
CLARK. 28th November 1866	3130. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in impermeable mastic compositions, and in their application for various useful purposes."— <i>A communication to him from abroad by Jean François Abraham Henri de Rivière, Member of the Council General of the Department of Gers, and Jean Laurent Auguste Machabée, Merchant, both of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
PIDDING. 28th November 1866.	3131. WILLIAM PIDDING, of the Cottage, Kensington Palace Avenue, in the County of Middlesex, Gentleman, for an invention for—"An improved method or methods of treating coffee and tea for general uses." <i>Complete specification ; protection for SIX months only.</i>
LANGSFORD. 28th November 1866.	3132. HENRY LANGSFORD, of Bishopsgate Street, in the City of London, for an invention for—"An improved harness, saddle and tugs." <i>Provisional protection only.</i>
LAKE. 28th November 1866.	3133. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in the manufacture of white lead."— <i>A communication to him from abroad by William Bell, Thomas Mara Fell, and Ambrose George Fell, all of the City, County and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
HASELTINE. 28th November 1866.	3134. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the mode of and means for regulating and registering the tension of pianoforte strings."— <i>A communication to him from abroad by Levi Lincoln Tower, of Boston, Massachusetts, United States of America.</i> <i>Letters Patent sealed ; specification filed by order.</i>
HOWARD. 28th November 1866.	3135. GEORGE HOWARD, of Berners Street, Oxford Street, in the County of Middlesex, Cabinet Maker, for an invention for—"An improved manufacture of elastic seat." <i>Letters Patent sealed.</i>
FARGON. 28th November 1866.	3136. LOUIS ALEXANDRE FARGON, of Brussels, in the Kingdom of Belgium, Engineer, for an invention for—"Improvements in forming the joints of iron and other tubes or pipes." <i>Letters Patent sealed.</i>
WADSWORTH. 29th November 1866.	3137. JAMES WADSWORTH, of Heaton Norris, in the County of Lancaster, for an invention for—"Improved methods of rendering the soles and heels of boots, shoes and clogs more durable, and for improved modes of constructing the articles to be used for that purpose, and also for improved methods of fastening moveable heels of boots and shoes." <i>Letters Patent sealed.</i>
CROSSLEY. 29th November 1866.	3138. GEORGE CROSSLEY, of Cleckheaton, in the County of York, Millwright, Engineer and Wire-block Maker, for an invention for—"Improvements in means or apparatus for driving wire-blocks." <i>Provisional protection only.</i>
HUGHES. 29th November 1866.	3139. EDWARD HUGHES, of Bagillt, in the County of Flint, for an invention for—"Improvements in machinery or apparatus for exhausting and forcing air and gases, and for propelling vessels." <i>Letters Patent sealed.</i>
PLUM. 29th November 1866.	3140. THOMAS WILLIAM PLUM, of Fenchurch Buildings, London, for an invention for—"Improvements in syphons for drawing off beer, wine and other liquids, from casks and other vessels." <i>Provisional protection only.</i>
MITCHELL. 29th November 1866	3141. ROBERT MITCHELL, junior, of No. 59, Nile Street, Sunderland, in the County of Durham, Watchmaker, for an invention for—"A revolving watch-bow and pendant." <i>Provisional protection only.</i>

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| <p>VON LERSNER-EBERSBURG.
29th November 1866.</p> <p>FIELD.
29th November 1866</p> <p>LA MOILE.
29th November 1866.</p> <p>BROOKES.
29th November 1866.</p> <p>HUGHES.
30th November 1866.</p> <p>PETITJEAN.
30th November 1866.</p> <p>QUELLE.
30th November 1866.</p> <p>BATEMAN.
30th November 1866.</p> <p>PILCHER.
30th November 1866.</p> <p>TURNER.
30th November 1866.</p> <p>CLARK.
30th November 1866.</p> <p>DAVY.
30th November 1866.</p> <p>TRUEFITT.
30th November 1866.</p> <p>MCGREGOR.
1st December 1866.</p> <p>WEBSTER.
1st December 1866.</p> | <p>3142. ELISE VON LERSNER-EBERSBURG, 25, Montpellier Street, Knightsbridge, in the County of Middlesex, for an invention for—"A concentrated milk for feeding infants and invalids."—<i>A communication to her from abroad by Baron Justus von Liebig, Munich, Bavaria, Germany.</i>
<i>Provisional protection only.</i></p> <p>3143. JOSHUA FIELD, of the firm of Maudslay, Sons and Field, of Lambeth, in the County of Surrey, Engineers, for an invention for—"Improvements in and connected with steam-engines."
<i>Letters Patent sealed.</i></p> <p>3144. FORTUNÉ LA MOILE, of No. 1, the Paragon, Salisbury, for an invention for—"Improvements in incubators and apparatus for rearing young chickens."
<i>Provisional protection only.</i></p> <p>3145. WILLIAM BROOKES, of 62, Chancery Lane, London, in the County of Middlesex, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction and manufacture of railway wheels called 'disc wheels,' formed from one piece or mass of iron or steel."—<i>A communication to him from abroad by Jean Baptiste Helson, of Hautmont, in the Empire of France, Metallurgist.</i>
<i>Letters Patent sealed.</i></p> <p>3146. EDWARD THOMAS HUGHES, of the firm of Hughes and Son, Patent Agents, 123, Chancery Lane, London, for an invention for—"A new or improved mode of saccharatification of sugary substances."—<i>A communication to him from abroad by Dr. Frederic Jünemann, of Rudolpheim, in the Empire of Austria, Chemist, and Pierre du Rieux, and Edouard Roettger, of Lille, in the Empire of France, Civil Engineers.</i>
<i>Provisional protection only.</i></p> <p>3147. TONY PETITJEAN, of No. 4, Brydges Street, in the County of Middlesex, Chemist, for an invention for—"A new means for procuring the more perfect combustion in the burning of fuel."
<i>Provisional protection only.</i></p> <p>3148. EUGENE EHRENFRIED QUELLE, of Bermondsey, in the County of Surrey, Skin Dyer, for an invention for—"Improvements in muffs."—<i>A communication to him from abroad by Messrs. Quelle, Brothers, of Paris, France.</i>
<i>Provisional protection only.</i></p> <p>3149. HYDE BATEMAN, of Barnes, in the County of Surrey, Surveyor, for an invention for—"Improvements in pumps and fire-engines."
<i>Letters Patent sealed.</i></p> <p>3150. WILLIAM WOOD PILCHER, of St. Margaret's-at-Cliff, near Dover, in the County of Kent, Farmer, for an invention for—"Improvements in the construction of horse-hoes."
<i>Letters Patent sealed.</i></p> <p>3151. LUKE TURNER, of Leicester, Elastic Fabric Manufacturer, for an invention for—"Improvements in machinery for the manufacture of elastic fabrics."
<i>Provisional protection only.</i></p> <p>3152. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of green coloring matter."—<i>A communication to him from abroad by Jules Albert Schlumberger, Chemist, of 29, Boulevard St Martin, Paris.</i>
<i>Letters Patent sealed.</i></p> <p>3153. ALFRED DAVY, of Park Iron Works, Sheffield, in the County of York, Engineer, for an invention for—"Improvements in chair supports for the rails of railways."
<i>Provisional protection only.</i></p> <p>3154. HENRY PAUL TRUEFITT, of the Burlington Arcade, Piccadilly, in the County of Middlesex, Perfumer, for an invention for—"Improvements in the manufacture of hair, nail, tooth and flesh brushes."
<i>Provisional protection only.</i></p> <p>3155. PETER MCGREGOR, of the City of Manchester, in the County of Lancaster, Machine Maker, for an invention for—"Improvements in machinery for spinning and doubling."
<i>Letters Patent sealed.</i></p> <p>3156. JAMES WEBSTER, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"An improved lighting, heating and cooking apparatus."
<i>Provisional protection only.</i></p> |
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CRIGHTON. 1st December 1866.	3157. WILLIAM CRIGHTON, of Manchester, in the County of Lancaster, Machinist and Engineer, for an invention for—"Certain improvements in apparatus to be employed in the preparation and manufacture of cotton, wool, silk and other fibrous substances." <i>Letters Patent sealed.</i>
RAMSBOTTOM. 1st December 1866.	3158. JOHN RAMSBOTTOM, of Blackburn, in the County of Lancaster, Hydraulic Engineer, for an invention for—"Improvements in compound steam-engines, and in the construction and arrangement of steam generating furnaces." <i>Letters Patent sealed.</i>
NEWTON. 1st December 1866.	3159. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improved machinery for untwisting, opening and carding all kinds of rope and cordage."— <i>A communication to him from abroad by William Wilson Davenport, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
MANSELL. 1st December 1866	3160. GEORGE MANSELL, of Birmingham, in the County of Warwick, Cabinet Inlayer, for an invention for—"Improvements in the manufacture of lettered, numbered and figured tablets, door and name plates, labels and signs, show plates and other similar articles." <i>Provisional protection only.</i>
NEWTON. 1st December 1866.	3161. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in rolls of spinning, drawing and other machines."— <i>A communication to him from abroad by Edward Livingston Perry, of the City and State of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BATEMAN. 1st December 1866.	3162. HYDE BATEMAN, of Barnes, in the County of Surrey, Surveyor, for an invention for—"Improvements in corkscrews." <i>Letters Patent sealed.</i>
PRATT. 1st December 1866.	3163. JOHN PRATT, of Greenville, Alabama, United States of America, now of Regent Square, in the County of Middlesex, Gentleman, for an invention for—"An improved pterotype or machine for writing with type." <i>Letters Patent sealed.</i>
BUTLER. DALGETY. 1st December 1866.	3164. WALTER BUTLER, of Old Kent Road, Gentleman, and ALEXANDER DALGETY, of Shard's Terrace, Peckham, Engineer, both in the County of Surrey, for an invention for—"Improvements in the connections between railway engines and carriages." <i>Letters Patent sealed.</i>
BROWNING. 1st December 1866.	3165. SAMUEL JOHN BROWNING, of Portsmouth, Engineer, for an invention for—"Improvements in the methods of applying and arranging apparatus for distilling sea water, and also in the mode or method of combining and using such apparatus for that and other purposes." <i>Letters Patent sealed.</i>
BARKER. 3rd December 1866.	3166. THOMAS BARKER, of Redditch, in the County of Worcester, Engineer, for an invention for—"An improved apparatus for the delivery of fog signals upon railways." <i>Provisional protection only.</i>
NUTTALL. 3rd December 1866.	3167. JAMES NUTTALL, of Walmersley, near Bury, in the County of Lancaster, Pattern Designer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
WADDINGTON. 3rd December 1866.	3168. FREDERIC WADDINGTON, Manufacturer, at Saint-Remy, near Nonancourt, Department of Eure (France), for an invention for—"An improved machine for doubling slivers of cards, and forming laps of cross layers, for second carding of wool, cotton and other fibrous substances." <i>Provisional protection NOT granted.</i>
MENNONS. 3rd December 1866.	3169. MARC ANTOINE FRANÇOIS MENNONS, of the firm of Mennons and Telescheff, Home and Foreign Patent Agents, of 8, Southampton Buildings, in the County of Middlesex, and 27, Rue Laffitte, Paris, in the Empire of France, for an invention for—"An improved apparatus for the automatical performance of music on pianos, organs and other keyed instruments of like description."— <i>A communication from Juan Amann, a person resident at Bilbao, in the Kingdom of Spain.</i> <i>Letters Patent sealed.</i>
DUFRENÉ. 3rd December 1866.	3170. HECTOR AUGUSTE DUFRENÉ, of the General Patent Offices, 10, Rue de la Fidélité, Paris, in the Empire of France, and 4, South Street, Finsbury, London, Civil Engineer, for an invention for—"Improvements in fire-places."— <i>A communication from Monsieur Yves Leperdriel, a person resident at Saint Emy, in the Empire of France.</i> <i>Provisional protection only.</i>

- MALLET.**
3rd December 1866. **3171. JULES THEODORE ANATOLE MALLET**, of 29, Boulevard St. Martin, Paris, in the Empire of France, Civil Engineer, for an invention for—"A process and apparatus for producing jointly or separately oxygen and chlorine, from the same chemical substance and in the same apparatus." *Letters Patent sealed.*
- MCLEAN.**
3rd December 1866. **3172. EDWARD MCLEAN**, of Florence Street, Islington, in the County of Middlesex, Commercial Traveller, for an invention for—"Improvements in pianofortes and harmoniums." *Provisional protection only.*
- CLARK.**
3rd December 1866. **3173. WILLIAM CLARK**, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for applying and regulating motive-power."—*A communication to him from abroad by Joseph de Susini, Gentleman, of 29, Boulevard St. Martin, Paris.* *Provisional protection only.*
- MILLS.**
3rd December 1866. **3174. BENJAMIN JOSEPH BARNARD MILLS**, of the firm of Harris and Mills, of 35, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in bench vices."—*A communication to him from abroad by the "New England Vice Company," of the State of Massachusetts, United States of America.* *Letters Patent sealed.*
- VOLKMAN.**
3rd December 1866. **3175. FREDERICK VOLKMAN**, of the City of New York, in the United States of America, for an invention for—"Improvements in ploughs." *Letters Patent sealed.*
- HERMANN.**
BRETHAUER.
3rd December 1866. **3176. AUGUST HERMANN**, and **HENRY BRETHAUER**, both of New Haven, Connecticut, in the United States of America, for an invention for—"Improved apparatus for discharging bilge water from vessels' holds." *Letters Patent sealed.*
- WINSTANLEY.**
3rd December 1866. **3177. DAVID WINSTANLEY**, junior, of Manchester, in the County of Lancaster, Chemist, for an invention for—"Improvements in obtaining basso-relievo or other such designs in relief and also in depression, by the aid of photography." *Provisional protection only.*
- HARFIELD.**
3rd December 1866. **3178. WILLIAM HORATIO HARFIELD**, of 2, Royal Exchange Buildings, in the City of London, for an invention for—"Improvements in chain cable holders applicable for capstans and windlasses, and in apparatus for driving capstans." *Letters Patent sealed.*
- COFFEY.**
3rd December 1866. **3179. JOHN AMBROSE COFFEY**, of 32, Great Saint Helen's, in the City of London, Consulting Engineer, for an invention for—"Improved apparatus for heating and cooling fluids, especially useful in dry destructive or other distillations, evaporation, refrigeration and the generation of steam." *Letters Patent sealed.*
- BONNEVILLE.**
4th December 1866. **3180. HENRI ADRIEN BONNEVILLE**, of the British and Foreign Patent Offices, 38, Porchester Terrace, Bayswater, in the County of Middlesex, and 24, Rue du Mont Thabor, Paris, in the Empire of France, Patent Agent, for an invention for—"Improvements in the manufacture of white lead and in the vessels connected therewith."—*A communication from John Harvey Hebert, a person resident at Brooklyn City, State of New York, in the United States of America.* *Provisional protection only.*
- HORTON.**
4th December 1866. **3181. JOSHUA HORTON**, of Birmingham, in the County of Warwick, Engineer, for an invention for—"Certain improvements in the method of producing metallic tubes, pipes or other similar hollow articles." *Provisional protection only.*
- SMEETON.**
4th December 1866. **3182. JOHN SMEETON**, of No. 25, Fieldgate Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in signalling apparatus for railway trains." *Provisional protection only.*
- WILSON.**
4th December 1866. **3183. THOMAS WILSON**, of Birmingham, in the County of Warwick, Mechanical Engineer, for an invention for—"Improvements in the manufacture and construction of cartridges for breech-loading fire-arms." *Letters Patent sealed; no specification filed.*
- BROADBENT.**
4th December 1866. **3184. JOHN BROADBENT**, of Millstone Road, Rochdale, in the County of Lancaster, Spring and Spindle Maker, for an invention for—"Improvements in the manufacture of 'weft forks' used in power looms for weaving cotton, worsted or silk, or any suitable material." *Letters Patent sealed.*

SANG. 4th December 1866.	3185. EDWARD SANG, of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"Improvements in sewing-machines." <i>Provisional protection only.</i>
HASELTINE. 4th December 1866.	3186. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in mowing and reaping machines, partly applicable to carriages and other wheeled vehicles."— <i>A communication to him from abroad by John Gould Perry, of South Kingston, Rhode Island, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
KOHN. 4th December 1866.	3187. FERDINAND KOHN, of 6, Robert Street, Adelphi, London, Engineer, for an invention for—"An improved machine for cutting sugar cane."— <i>A communication to him from abroad by Frederick James Vivian Minchin, of Aska, Madras Presidency, East India.</i> <i>Letters Patent sealed.</i>
CHATER. 4th December 1866.	3188. DANIEL SUTCLIFFE CHATER, of Blackawton Vicarage, in the County of Devon, Clerk, for an invention for—"Improvements in chimney tops for the prevention of smoky chimneys." <i>Provisional protection only.</i>
RICHARDSON. 4th December 1866.	3189. WILLIAM HADEN RICHARDSON, of Glasgow, in the County of Lanark, North Britain, for an invention for—"Certain improvements in the manufacture of iron and in the means employed for effecting the same." <i>Letters Patent sealed.</i>
PARAIRE. 4th December 1866.	3190. EDWARD LOUIS PARAIRE, of Mornington Crescent, Regent's Park, in the County of Middlesex, Architect and Civil Engineer, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
HICKLING. 4th December 1866.	3191. WILLIAM EDWIN HICKLING, of Market Street, Leicester, in the Borough of Leicester, for an invention for—"Improvements in machinery or apparatus for the prevention of collisions and other accidents on railways, and for generally promoting increased safety in railway travelling." <i>Provisional protection only.</i>
MARSHALL. 4th December 1866.	3192. WILLIAM ALFRED MARSHALL, of Leadenhall Street, in the City of London, Telegraphic Engineer, for an invention for—"Improvements in insulating and protecting electric telegraph wires, and in the means or apparatus employed therein." <i>Provisional protection only.</i>
BAYLEY. TAYLOR. 5th December 1866.	3193. THOMAS BAYLEY, of Stockport, in the County of Chester, and JOHN TAYLOR, of Denton, in the County of Lancaster, for an invention for—"Certain improvements in the manufacture of hats or coverings for the head, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
WORRALL. 5th December 1866.	3194. JOHN MAYO WORRALL, of Ordsall, in the County of Lancaster, Dyer and Finisher, for an invention for—"Certain improvements in the method of finishing certain descriptions of piled fabrics, and in apparatus connected therewith." <i>Letters Patent sealed.</i>
BROOMAN. 5th December 1866.	3195. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of colouring matters."— <i>A communication to him from abroad by Charles Lauth, of Paris, France.</i> <i>Letters Patent sealed.</i>
HARRILD. HARRILD. 5th December 1866.	3196. ROBERT HARRILD, and HORTON HARRILD, of Farringdon Street, in the City of London, Manufacturers, for an invention for—"Improvements in printing machines." <i>Letters Patent sealed.</i>
BRIDGES. BIGWOOD. 5th December 1866.	3197. THOMAS BRIDGES, of Wolverhampton, in the County of Stafford, Engineer, and JOSHUA BIGWOOD, of Wolverhampton, aforesaid, Machinist, for an invention for—"Improvements in the furnaces of steam-boilers, which improvements may also be applied to other furnaces." <i>Letters Patent sealed.</i>
FONTENOY. DOPFELD. 5th December 1866.	3198. CHARLES MARIN FONTENOY, and JEAN NICOLAS DOPFELD, of 2, Rue Sainte Appoline, Paris (Empire of France), Merchants, for an invention for—"Improvements in the fastenings of covers for powder flasks or cases used in naval gunnery." <i>Provisional protection only.</i>
VANDROY. 5th December 1866.	3199. VICTOR VANDROY, of No. 15, Passage des Petites Ecuries, in the City of Paris, in the Empire of France, Gentleman, for an invention for—"Improvements in cast-iron sash windows to be adapted to purlin tile or slate roofing." <i>Letters Patent sealed.</i>

TOWARD. 5th December 1866.	3200. JOHN TOWARD, Engineer, of St. Ann's Row, Newcastle-upon-Tyne, for an invention for—"Improvements in machinery for the manufacture of bricks." <i>Letters Patent sealed.</i>
SWEARS. 5th December 1866.	3201. HENRY FINCH SWEARS, of Regent Street, in the County of Middlesex, for an invention for—"Improvements in the means of communication between stations and railway trains in motion, and between passengers, guards and engine-driver." <i>Letters Patent sealed.</i>
FIRTH. FIRTH. 5th December 1866.	3202. JAMES FIRTH, and EDWARD FIRTH, of Belfast, in the County of Antrim, for an invention for—"Improvements in railway crossings." <i>Provisional protection only.</i>
CHUBB. 5th December 1866.	3203. THOMAS JONAS CHUBB, of Brooklyn, in the State of New York, United States of America, but now of 66, Chancery Lane, in the County of Middlesex, Engineer, for an invention for—"An improved process and furnace or apparatus for the manufacture of steel or metal having some of the properties of steel." <i>Letters Patent sealed.</i>
PALMER. 5th December 1866.	3204. FITZMAURICE PALMER, of Old Derrig, Queen's County, in the Kingdom of Ireland, Gentleman, for an invention for—"Improvements in projectiles." <i>Letters Patent sealed.</i>
CHUBB. 5th December 1866.	3205. THOMAS JONAS CHUBB, of Brooklyn, in the State of New York, United States of America, but now of 66, Chancery Lane, in the County of Middlesex, Engineer, for an invention for—"Improvements in the means of and apparatus for separating substances of different specific gravities." <i>Provisional protection only.</i>
BARWICK. TINDALL. 5th December 1866.	3206. JAMES BARWICK, and SAMUEL TINDALL, both of Silvertown, in the County of Essex, for an invention for—"Improvements in packing for the piston rods of steam-engines and of pumps for raising or forcing hot fluids, acids and other corrosive matters, which improvements are also applicable to the packing of the stuffing boxes or glands of the spindles or axes of cocks or valves used for the passage of steam, hot fluids or acids." <i>Letters Patent sealed.</i>
CLARK. 5th December 1866.	3207. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in rotary engines." — <i>A communication to him from abroad by Auguste Gerin, Manufacturer, 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
CARTE. 5th December 1866.	3208. RICHARD CARTE, of No. 20, Charing Cross, in the County of Middlesex, Musical Instrument Maker, for an invention for—"Improvements in the musical instrument designated the flute." <i>Letters Patent sealed.</i>
WILDE. 6th December 1866.	3209. HENRY WILDE, of the City of Manchester, Engineer, for an invention for—"Improvements in electro-magnetic and magneto-electric machines." <i>Provisional protection only.</i>
DUNCAN. 6th December 1866.	3210. ROBERT DUNCAN, of Port Glasgow, in the County of Renfrew, North Britain, Shipbuilder, for an invention for—"Improvements in arrangements for applying auxiliary power to sailing ships." <i>Letters Patent sealed.</i>
COBE. 6th December 1866.	3211. LOUIS COBE, of Manchester, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus for pressing, smoothing or 'ironing' the surfaces of fabrics." <i>Provisional protection only.</i>
DE WISSOCQ. KRASINSKI. 6th December 1866.	3212. PAUL EMILE DE WISSOCQ, Civil Engineer, residing at Rue Richepanse, No. 11, and Count LOUIS KRASINSKI, residing at Rue de Penthièvre, No. 22, Paris, in the Empire of France, for an invention for—"Improvements in the treatment of ores of metals of which the sulphates are soluble in water." <i>Letters Patent sealed.</i>
SELBY. 6th December 1866.	3213. WILLIAM SELBY, of Nottingham, Draughtsman, for an invention for—"Improvements in the manufacture of lace made in twist lace machines." <i>Provisional protection only.</i>
WILLIAMSON. 6th December 1866.	3214. JOHN WILLIAMSON, of South Shields, Alkali Manufacturer, for an invention for—"Improvements in the manufacture of alkalis." <i>Letters Patent sealed.</i>
DARLING. 6th December 1866.	3215. JOHN DARLING, of Stanes, in the County of Lanark, North Britain, for an invention for—"An improved penholder and means of supplying ink to pens." <i>Letters Patent sealed.</i>

SANDERSON. SANDERSON. 6th December 1866.	3216. PETER SANDERSON, and ROBERT SANDERSON, both of Galashiels, in the County of Selkirk, North Britain, for an invention for—"Improvements in the manufacture of yarns and in the machinery or apparatus employed therefor." <i>Provisional protection only.</i>
HASELTINE. 6th December 1866.	3217. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in looms and shuttles for weaving."— <i>A communication to him from abroad by Benjamin Oldfield and Edward Oldfield, both of Newark, New Jersey, United States of America.</i> <i>Letters Patent sealed.</i>
ACKROYD. MAUD. 6th December 1866.	3218. REUBEN ACKROYD, of Ovenden, near Halifax, in the County of York, Commission Wool Comber, and WILLIAM MAUD, of Halifax, aforesaid, Machine Maker, for an invention for—"Improvements in 'screw gill boxes' for preparing wool and other fibrous substances." <i>Letters Patent sealed.</i>
PHIPPS. 6th December 1866.	3219. GEORGE HENRY PHIPPS, of No. 24, Great George Street, Westminster, in the County of Middlesex, for an invention for—"Improvements in the means employed for propelling, steering and manœuvring vessels, ships, boats and other navigable bodies." <i>Provisional protection only.</i>
TURNER. 6th December 1866.	3220. FREDERICK WILLIAM TURNER, of Linslade Works, Linslade, in the County of Bucks, Engineer, for an invention for—"Improvements in reaping and mowing machines." <i>Letters Patent sealed.</i>
LANE. 6th December 1866.	3221. FARINDON LANE, of Rotherham, in the County of York, Civil Engineer, for an invention for—"Improvements in photographic pressure frames." <i>Provisional protection only.</i>
MACDONALD. CALVERLEY. 6th December 1866.	3222. JOHN CAMERON MACDONALD, of Waddon, near Croydon, in the County of Surrey, and JOSEPH CALVERLEY, of the Albany Road, Camberwell, in the same County, for an invention for—"Improvements in machinery for printing and cutting into sheets rolls of paper, and for collecting sheets so cut, also in the manufacture of stereotype printing surfaces." <i>Letters Patent sealed.</i>
FREER. 6th December 1866.	3223. JOHN FREER, of Rothley, in the County of Leicester, Agricultural Implement Maker, for an invention for—"Improvements in machines for dibbling or planting grain and seed, and an improved seed feeder and meter for planting machines." <i>Provisional protection only.</i>
CLARK. 6th December 1866.	3224. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in electro-magnetic apparatus for obtaining motive-power."— <i>A communication to him from abroad by Eloi Poitevin, Professor of Natural Philosophy, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
GUEST. 7th December 1866.	3225. WILLIAM GUEST, of Great Saffron Hill, Farringdon Road, in the County of Middlesex, Machinist, for an invention for—"Improvements in the manufacture of cords or ropes from strands of fibrous material or wire, and in the machinery employed in such manufacture." <i>Letters Patent sealed.</i>
FRASER. 7th December 1866.	3226. ALEXANDER COLVIN FRASER, of Colchester, in the County of Essex, for an invention for—"Improvements in apparatus used in the manufacture of gas." <i>Letters Patent sealed.</i>
LOWE. LOWE. 7th December 1866.	3227. JESSE LOWE, and PETER LOWE, of Over Darwen, in the County of Lancaster, for an invention for—"Certain improvements in machinery or apparatus to be employed in printing paper, calico or other surfaces." <i>Provisional protection only.</i>
CLARK. 7th December 1866.	3228. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"An improved detaching hook."— <i>A communication to him from abroad by Samuel Brown and Leon Level, both of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
RICHARDS. 7th December 1866.	3229. WILLIAM ANTIL RICHARDS, of Holloway, in the County of Middlesex, Commercial Clerk, for an invention for—"An improved receptacle for tobacco." <i>Letters Patent sealed.</i>

- MCGLASHAN.**
7th December 1866. 3230. JOHN MCGLASHAN, of Glasgow, in the County of Lanark, North Britain, for an invention for—"An improved cap or cover to be applied for securing and labelling bottles." *Letters Patent sealed.*
- SMITH.**
RAMAGE.
7th December 1866. 3231. ROBERT SMITH, and JOHN RAMAGE, both of the Town and County of Stirling, North Britain, for an invention for—"Improvements in the manufacture of yarns used for weaving textile fabrics, and in the machinery or apparatus employed therefor." *Letters Patent sealed.*
- GRAY.**
7th December 1866. 3232. THOMAS GRAY, of Wandsworth, in the County of Surrey, Bleacher, for an invention for—"Improvements in the preparation of bleaching materials or compounds." *Letters Patent sealed.*
- SAMUELSON.**
7th December 1866. 3233. CARL ERIK SAMUELSON, of Hamburg, for an invention for—"Improvements in apparatus for propelling vessels."—*A communication to him from abroad by Samuel Arnold Samuelson, of Hamburg.* *Letters Patent sealed.*
- LUCY.**
8th December 1866. 3234. HENRY CHARLES LUCY, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"Improvements in connecting or fastening the ends of iron and other metal bands surrounding bales of cotton and other like packages."—*A communication to him from abroad by Samuel Boyd, of the City of New Orleans, in the State of Louisiana, one of the United States of America, Merchant.* *Letters Patent sealed.*
- CHALONER.**
BILLINGTON.
8th December 1866. 3235. THOMAS CHALONER, and JAMES BILLINGTON, of Preston, in the County of Lancaster, Plumbers, Glaziers, Gasfitters and House Painters, for an invention for—"Improvements in the construction of tools for graining and putting in the 'bates' or pores representing different timbers." *Provisional protection only.*
- ROBERTSON.**
WADDELL.
8th December 1866. 3236. WILLIAM ROBERTSON, and CHARLES JAMES WADDELL, both of the City of Manchester, in the County of Lancaster, Engineers, for an invention for—"Improvements in machines driven by human, animal or other power, having a reciprocating motion, as gins, mowing and reaping machines, reciprocating saws, and others of that class." *Letters Patent sealed.*
- HASELTINE.**
8th December 1866. 3237. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved machine for pegging boots and shoes."—*A communication to him from abroad by Reuben Whitehouse Drew, of Lowell, Massachusetts, United States of America.* *Complete specification: Letters Patent sealed.*
- BUISSON.**
8th December 1866. 3238. FRANÇOIS CÉSAR BUISSON, of Nautiat, Department of Hautevienne, Empire of France, Householder, for an invention for—"A novel buoy or apparatus for storing valuable property on shipboard and preserving the same in case of shipwreck." *Letters Patent sealed.*
- SOUTHALL.**
8th December 1866. 3239. HENRY SOUTHALL, of Birmingham, in the County of Warwick, Saddler and Harness Maker, for an invention for—"Improvements in buckles." *Provisional protection only.*
- BIGGLESTON.**
8th December 1866. 3240. WILLIAM HENRY BIGGLESTON, of Canterbury, in the County of Kent, Engineer, for an invention for—"Improvements in the construction of ships' capstans." *Letters Patent sealed.*
- DAVIES.**
8th December 1866. 3241. JAMES DAVIES, of Lambeth, in the County of Surrey, Rule and Mathematical Instrument Maker, for an invention for—"An improvement in parallel rulers." *Provisional protection only.*
- WARREN.**
8th December 1866. 3242. WILLIAM WARREN, of Alstone, near Cheltenham, in the County of Gloucester, Machinist and Engineer, for an invention for—"Improvements in pumps." *Letters Patent sealed.*
- RICHARDS.**
8th December 1866. 3243. WESTLEY RICHARDS, of Birmingham, in the County of Warwick, for an invention for—"Improvements in fire-arms and cartridges." *Letters Patent sealed.*
- DINES.**
8th December 1866. 3244. HENRY DINES, of 3, Abingdon Villas, Kensington, in the County of Middlesex, for an invention for—"Improvements in breech-loading fire-arms." *Letters Patent sealed.*
- STOCKER.**
8th December 1866. 3245. ALEXANDER SOUTHWOOD STOCKER, of 69, Lamb's Conduit Street, in the County of Middlesex, for an invention for—"Improvements in the manufacture of capsules applicable to bottles and other receptacles." *Letters Patent sealed.*

ARMSTRONG. 8th December 1866.	3246. FRANK ARMSTRONG, of Waterbury, Connecticut, United States of America, now of No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, for an invention for—"Improvements in sewing machinery." <i>Provisional protection only.</i>
SMITH. COVENTRY. 10th December 1866.	3247. WILLIAM FORD SMITH, and ARTHUR COVENTRY, of Gresley Iron Works, Ordsal Lane, Salford, in the County of Lancaster, Engineers and Tool Makers, for an invention for—"Improvements in the construction and manufacture and in apparatus employed in the manufacture of tool holders and cutters, and in machinery for grinding or sharpening cutters and tools used in lathes, in planing and other machines for cutting and shaping metals and other materials." <i>Letters Patent sealed.</i>
BROOMAN. 10th December 1866.	3248. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the manufacture of studs or nails for upholstery, harness and other purposes, and in the apparatus employed therein."— <i>A communication to him from abroad by Hippolyte Parpaite, of Carignan, France.</i> <i>Provisional protection only.</i>
NANGLE. 10th December 1866.	3249. WALTER CHIDIOCK NANGLE, of Woolwich, in the County of Kent, Captain in the Royal Artillery and Deputy Assistant Quartermaster General, for an invention for—"Improvements in armour plating or protecting vessels of war, forts and other like structures, and in the manufacture of the plates and material employed therein." <i>Letters Patent sealed.</i>
TOLSON. 10th December 1866.	3250. JAMES TOLSON, of the firm of Tolson, Haigh and Brooke, of Huddersfield, in the County of York, Manufacturers and Spinners, for an invention for—"Improvements in machinery or apparatus for twisting or doubling yarns or threads of wool or other fibrous substances." <i>Provisional protection only.</i>
HOPKINSON. 10th December 1866.	3251. WILLIAM HOPKINSON, of Bradford, in the County of York, Broker, for an invention for—"Improvements in machinery for combing wool and other fibrous substances." <i>Letters Patent sealed.</i>
WARMINGTON. 10th December 1866.	3252. EDWARD JAMES WARMINGTON, of Brighton College, Brighton, in the County of Sussex, for an invention for—"Improvements in breech-loading fire-arms and in cartridges to be used therewith." <i>Provisional protection only.</i>
NEWTON. 10th December 1866.	3253. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Certain improvements in breech-loading fire-arms and in cartridges and bullets for the same."— <i>A communication to him from abroad by Hiram Berdan, of the City of New York, United States of America.</i> <i>Letters Patent sealed.</i>
CLAYTON. RAPER. GOULDING. HOWARTH. 11th December 1866.	3254. ROBERT CLAYTON, Engineer, JAMES RAPER, and JOHN GOULDING, Machinists, and WILLIAM HOWARTH, Dentist, all of Bradford, in the County of York, for an invention for—"Improvements in looms for weaving." <i>Letters Patent sealed.</i>
HOPKINSON. 11th December 1866.	3255. WILLIAM HOPKINSON, of Sheffield, in the County of York, Scythe Maker, for an invention for—"An improvement in the manufacture of sheep shears." <i>Letters Patent sealed.</i>
BROOMAN. 11th December 1866.	3256. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in railway carriages and waggons."— <i>A communication to him from abroad by Samuel Maynard, of New York, United States of America.</i> <i>Letters Patent sealed.</i>
BROOMAN. 11th December 1866.	3257. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in looms for weaving."— <i>A communication to him from abroad by John Bailey, of Forssa, Finland.</i> <i>Letters Patent sealed.</i>
CATHELS. 11th December 1866.	3258. EDMUND SMALL CATHELS, Gas Engineer, of Lower Sydenham, in the County of Kent, for an invention for—"Improvements in apparatus for conveying and regulating the supply of gas." <i>Letters Patent sealed and specification filed by order.</i>

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| <p>NEWTON.
11th December 1866.</p> <p>VARLEY.
11th December 1866.</p> <p>COOPER.
11th December 1866.</p> <p>BOYMAN.
12th December 1866.</p> <p>STUDLEY.
JACKSON.
12th December 1866.</p> <p>JONES.
12th December 1866.</p> <p>CHATWOOD.
12th December 1866.</p> <p>GALLET.
12th December 1866.</p> <p>ROBINSON.
SMITH.
12th December 1866.</p> <p>WREN.
HOPKINSON.
13th December 1866.</p> <p>BAGGS.
13th December 1866.</p> <p>ROBINSON.
13th December 1866.</p> <p>MURPHY.
13th December 1866.</p> <p>HEYNS.
13th December 1866.</p> <p>BROOMAN.
13th December 1866.</p> <p>SINIBALDI.
13th December 1866.</p> <p>KENT.
13th December 1866.</p> | <p>3259. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of and apparatus for cleaning the outer surfaces of steam-boiler tubes."—<i>A communication to him from abroad by Edouard Victor Jules Joublin, of Boulevard Beaumarchais, Paris, in the Empire of France.</i>
<i>Letters Patent sealed.</i></p> <p>3260. JAMES VARLEY, of Bailiffe Bridge, near Lightcliffe, in the County of York, Manager, for an invention for—"Improved machinery for assorting silk and other fibres."
<i>Letters Patent sealed.</i></p> <p>3261. THOMAS HENRY COOPER, of Slough, in the County of Bucks, Physician, for an invention for—"Improvements in railway buffers."
<i>Letters Patent sealed.</i></p> <p>3262. RICHARD BOYMAN BOYMAN, of Park Crescent, Stockwell, in the County of Surrey, for an invention for—"Improvements in applying jets of steam, by action and reaction, to propel vessels and aerial conveyances, with other improvements in the latter and in the machinery for both, parts of which are applicable for other hydro and aëro purposes."
<i>Letters Patent sealed.</i></p> <p>3263. JAMES STUDLEY, and EDWIN JACKSON, of Shipley, near Leeds, in the County of York, Mechanics, for an invention for—"Improvements in machinery or apparatus for combing wool or other fibrous substances."
<i>Provisional protection only.</i></p> <p>3264. THOMAS JONES, of Aberavon, in the County of Glamorgan, Builder, for an invention for—"Improvements applicable to window sashes and frames."
<i>Letters Patent sealed.</i></p> <p>3265. SAMUEL CHATWOOD, of Bolton, in the County of Lancaster, Safe and Lock Engineer, for an invention for—"Improvements in the construction of safes and key boxes to be used by bankers and others."
<i>Letters Patent sealed.</i></p> <p>3266. VICTOR GALLET, of Lavausseau de Benassais, Department of the Vienne, in the Empire of France, for an invention for—"Improvements in the manufacture of steel."
<i>Letters Patent sealed.</i></p> <p>3267. JOHN ROBINSON, of Rochdale, in the County of Lancaster, Engineer, and JOHN SMITH, of the same place, Engineer, for an invention for—"Improvements in applying motive-power to saw frames."
<i>Provisional protection only.</i></p> <p>3268. HENRY WREN, and JOHN HOPKINSON, both of the City of Manchester, Engineers, for an invention for—"Improvements in machinery for dressing slates."
<i>Letters Patent sealed.</i></p> <p>3269. ISHAM BAGGS, of High Holborn, in the County of Middlesex, Practical Chemist, for an invention for—"Improvements in the manufacture and treatment of hydrochloric and nitric acids."
<i>Letters Patent sealed.</i></p> <p>3270. JOHN ROBINSON, of Birmingham, in the County of Warwick, Glass Cutter, for an invention for—"Improvements in ornamenting glass."
<i>Provisional protection only.</i></p> <p>3271. JAMES MURPHY, of Newport, in the County of Monmouthshire, Civil Engineer, for an invention for—"Improvements in the construction of vehicles to be used on railways."
<i>Provisional protection only.</i></p> <p>3272. PATRICK HEYNS, of the Parish of All Saints, Poplar, in the County of Middlesex, for an invention for—"Improvements in steam-boilers."
<i>Provisional protection only.</i></p> <p>3273. CLINTON EDGECUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the treatment of lead and argentiferous litharge."—<i>A communication to him from abroad by Frederic Cordurié, of Toulouse, France.</i>
<i>Letters Patent sealed.</i></p> <p>3274. CELESTE SINIBALDI, of Greenwich, in the County of Kent, for an invention for—"Improvements in the construction of stoves for cooking or other purposes."
<i>Letters Patent sealed.</i></p> <p>3275. JAMES TALBOT KENT, of Norden, Corfe Castle, in the County of Dorset, for an invention for—"Improvements in taps or cocks for drawing off liquids."
<i>Provisional protection only.</i></p> |
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GRELL. 13th December 1866.	3276. JOHANN HEINRICH GRELL, of the City of Hamburg, for an invention for—"Improvements in the construction of steam ships, sailing ships, boats and other vessels for sea or inland navigation, the said improvements being for the purpose of facilitating the quick steering or manœuvring of such vessels." <i>Letters Patent sealed.</i>
WOOD. WOOD. 13th December 1866.	3277. WILLIAM WOOD, and JAMES WILLIAM WOOD, of Monkhill, near Pontefract, in the County of York, for an invention for—"Improvements in the manufacture of fibrous yarns or threads." <i>Provisional protection only.</i>
PEPPER. PICHLER. 13th December 1866.	3278. JOHN HENRY PEPPER, of 61, Boundary Road, St. John's Wood, in the County of Middlesex, and SERAPHICUS FRANCIS PICHLER, of 162, Great Portland Street, also in the County of Middlesex, for an invention for—"Improved apparatus and automatic figures capable of performing various gymnastic feats." <i>Provisional protection only.</i>
RIPLEY. BARKER. 13th December 1866.	3279. HENRY WILLIAM RIPLEY, of Lightcliffe, near Halifax, and THOMAS BARKER, of Bowling, near Bradford, both in the County of York, for an invention for—"Improvements in steam-boilers and in applying heat thereto." <i>Letters Patent sealed.</i>
STENSON. 13th December 1866.	3280. JOSEPH STENSON, of Duston, in the County of Northampton, Gentleman, for an invention for—"Improvements in the manufacture and re-melting of iron and steel." <i>Provisional protection only.</i>
ADLEY. 13th December 1866.	3281. CHARLES COLE ADLEY, of the City of Dublin, in the Kingdom of Ireland, Civil Engineer, for an invention for—"Improvements in the construction of telegraph standards and insulators." <i>Letters Patent sealed.</i>
LAKE. 13th December 1866.	3282. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved scrubbing machine."— <i>A communication to him from abroad by Andrew Irion, of Femme Osage, Missouri, United States of America.</i> <i>Letters Patent sealed.</i>
DE NEVIERS. 14th December 1866.	3283. ALBRECHT DE NEVIERS, at Temple House, Church Str., Chelsea, in the County of Middlesex, for an invention for—"An improvement on sledges." <i>Provisional protection NOT granted.</i>
LINDLEY. TAYLOR. 14th December 1866.	3284. LEONARD LINDLEY, and FREDERICK TAYLOR, Sewing-machine Manufacturers, both of Melbourne Street, Mansfield Road, Nottingham, in the County of the Town of Nottingham, for an invention for—"Improvements in sewing and embroidering machines." <i>Provisional protection only.</i>
BAKER. LINDLEY. 14th December 1866.	3285. FRANCIS BRYAN BAKER, and LEONARD LINDLEY, Lace Dyers and Dressers, both of Sherwood Street, Nottingham, for an invention for—"Improvements in stretching or tentering and in dressing or finishing lace or other fabrics, and in machinery or apparatus employed therein." <i>Provisional protection only.</i>
ANDREW. 14th December 1866.	3286. THOMAS ANDREW, of Commercial Street, in the County of Middlesex, Engineer, for an invention for—"Improvements in the construction of pulleys and lifting gear for raising and lowering weights." <i>Provisional protection only.</i>
HOSKING. 14th December 1866.	3287. ALBERT WHITFORD HOSKING, of Manchester, in the County of Lancaster, Clerk, for an invention for—"Certain improvements in facilitating communication between passengers and guard on railways." <i>Provisional protection only.</i>
BRINSMEAD. 14th December 1866.	3288. HENRY BRINSMEAD, of Rathbone Place, in the County of Middlesex, Pianoforte Manufacturer, for an invention for—"Improvements in the construction of pianofortes." <i>Letters Patent sealed.</i>
NEWTON. 14th December 1866.	3289. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of steam motor."— <i>A communication to him from abroad by Samuel Harris, of Rochester, in the State of Michigan, United States of America.</i> <i>Letters Patent sealed.</i>
WOODS. 14th December 1866.	3290. ARTHUR WOODS, of Liverpool, in the County of Lancaster, Gentleman, for an invention for—"An improved hammock cot and means for suspending the same." <i>Letters Patent sealed.</i>

- BERNEY.**
14th December 1866. **3291.** THOMAS BERNEY, of Bracon Hall, in the County of Norfolk, Clerk, for an invention for—"Improvements in apparatus for bending bars and plates of metal."
Letters Patent sealed.
- MORGAN.**
HYLES.
15th December 1866. **3292.** THOMAS VAUGHAN MORGAN, of Chelsea, in the County of Middlesex, and EDWIN HYLES, of Battersea, in the County of Surrey, for an invention for—"Improvements in apparatus for the manufacture of crucibles and other hollow articles from plastic materials."
Letters Patent sealed.
- REEVES.**
MUSCHAMP.
15th December 1866. **3293.** FREDERIC WILLIAM REEVES, of No. 5, Cambridge Terrace, Notting Hill, Civil Engineer, and JOHN BELL MUSCHAMP, of No. 33, Pembroke Road, Gentleman, both in the County of Middlesex, for an invention for—"An improved explosive substance."
Letters Patent sealed.
- BURROUGHES.**
15th December 1866. **3294.** WILLIAM HENRY BURROUGHES, of the firm of Burroughes and Watts, of Soho Square, in the County of Middlesex, Billiard Table Makers, for an invention for—"Improvements in marking boards for billiards, pool, bagatelle and other such games."
Provisional protection only.
- RANDOLPH.**
15th December 1866. **3295.** CHARLES RANDOLPH, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in apparatus for propelling vessels."
Letters Patent sealed.
- HOEY.**
15th December 1866. **3296.** THOMAS HOEY, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in arrangements and apparatus for measuring and controlling the supply of water for closets and general uses, and for the deodorisation, removal and utilisation of excrementary matters."
Provisional protection only.
- CHATWOOD.**
STURGEON.
15th December 1866. **3297.** SAMUEL CHATWOOD, of Bolton, in the County of Lancaster, Safe and Lock Engineer, and JOHN STURGEON, of Burley, near Leeds, in the County of York, Consulting Engineer, for an invention for—"Improvements in hammers and in mechanism used therewith."
Letters Patent sealed.
- GILLARD.**
15th December 1866. **3298.** JOSEPH PIERRE GILLARD, of Paris, France, Civil Engineer, for an invention for—"Improvements in apparatus for attracting, exciting and distributing in various directions, rapid successions of electric currents derived from the voltaic pile or other electric apparatus."
Letters Patent sealed.
- BERTRAM.**
15th December 1866. **3299.** GEORGE BERTRAM, of Edinburgh, in the County of Midlothian, North Britain, Engineer, for an invention for—"Improvements in machinery or apparatus to be used for the manufacture of paper."
Letters Patent sealed.
- MELDRUM.**
15th December 1866. **3300.** EDWARD MELDRUM, of Bathgate, in the County of Linlithgow, North Britain, Esquire, for an invention for—"Improvements in the manufacture of gas for illuminating and heating purposes."
Provisional protection only.
- ROLLASON.**
15th December 1866. **3301.** ALEXANDER ROLLASON, of Commercial Road East, Limehouse, in the County of Middlesex, Chemist, for an invention for—"Improvements in the manufacture of blasting cartridges and fuseses."
Letters Patent sealed.
- KIRKWOOD.**
15th December 1866. **3302.** DAVID KIRKWOOD, of Birmingham, in the County of Warwick, Gun Action Filer, for an invention for—"Improvements in breech-loading fire-arms."
Provisional protection only.
- SWAN.**
15th December 1866. **3303.** JOSEPH WILSON SWAN, of Gateshead, in the County of Durham, Chemist, for an invention for—"Improvements in the treatment of gelatinous tissues of gelatine and gum, and of compounds containing such substances."
Letters Patent sealed.
- NEWTON.**
15th December 1866. **3304.** WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in welding steel to malleable iron and tempering the steel by one and the same operation, and in tempering steel after it has been welded to iron."—*A communication to him from abroad by Asa R. Reynolds, of Auburn, in the State of New York, United States of America.*
Letters Patent sealed.
- CAMPION.**
15th December 1866. **3305.** WILLIAM CAMPION, of the Butcher Street Works, Butcher Street, in the Town and County of the Town of Nottingham, Mechanist and Sewing-machine Manufacturer, for an invention for—"Improvements in machinery or apparatus for linking, joining, turning off and clearing looped or knitted fabrics, applicable also to stitching-machines."
Letters Patent sealed.

SYMM. 15th December 1866.	3308. JOSEPH SYMM, of Newton, Stocksfield-on-Tyne, in the County of Northumberland, Engineer, for an invention for—"Improvements in sheep and cattle racks." <i>Provisional protection only.</i>
BROOMAN. 15th December 1866.	3307. CLINTON EDGCUMBE BROOMAN, of the firm of Robertson, Brooman and Company, of 166, Fleet Street, in the City of London, Patent Agents, for an invention for—"Improvements in the preparation and application of certain fatty bodies."— <i>A communication to him from abroad by Mathias Paraf-Javal and Eugene Paraf-Javal, both of Paris, France.</i> <i>Letters Patent sealed.</i>
CLARK. 15th December 1866.	3308. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in carburetters."— <i>A communication to him from abroad by Francis Stebbins Pease, of Buffalo, in the County of Erie, and State of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
HAUWORTH. 17th December 1866.	3309. JOHN HAUWORTH, of Todmorden, in the County of Lancaster, Manager to Messrs. Fielden, Brothers, Cotton Spinners and Manufacturers, for an invention for—"Improvements in steam-boiler and other furnaces." <i>Provisional protection only.</i>
NEUMEYER. 17th December 1866.	3310. GUSTAV ADOLPH NEUMEYER, of Döbitz, in the Kingdom of Prussia, but now residing at De Kayser's Hotel, Bridge Street, Blackfriars, in the County of Middlesex, for an invention for—"Improvements in gunpowder for mining purposes." <i>Provisional protection only.</i>
HALL. 17th December 1866.	3311. HENRY HALL, of Stacksteads, near Manchester, in the County of Lancaster, for an invention for—"Certain improvements in the preparation of size and in apparatus connected therewith." <i>Letters Patent sealed.</i>
MOLE. 17th December 1866.	3312. CHARLES MOLE, of No. 2, Farringdon Road, in the City of London, and County of Middlesex, Boot and Shoe Manufacturer, for an invention for—"An apparatus for the more expeditious and effectual attachment of skates to boots or shoes." <i>Provisional protection only.</i>
HOWELL. HARDY. 17th December 1866.	3313. EDWARD HOWELL, and THOMAS HARDY, both of Poole, in the County of Dorset, for an invention for—"Improvements in the construction of horse rakes." <i>Provisional protection only.</i>
NEWTON. 17th December 1866.	3314. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved construction of elevator."— <i>A communication to him from abroad by Reuben Martin Van Sickler, of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
NIMMO. 17th December 1866.	3315. GEORGE NIMMO, of Jersey City, in the State of New Jersey, United States of America, for an invention for—"An improvement in the mode of constructing shovels and spades." <i>Letters Patent sealed.</i>
WEBER. 17th December 1866.	3316. MICHAEL WEBER, of Zürich, in the Republic of Switzerland, but now of 147, Cheapside, in the City of London, Surgical Instrument Maker, for an invention for—"Improvements in the construction of fire-arms." <i>Letters Patent sealed.</i>
MAPPIN. 17th December 1866.	3317. WALTER SANDELL MAPPIN, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in breech-loading fire-arms, and in cartridge case extractors for breech-loading fire-arms, and in cartridges for breech-loading fire-arms." <i>Provisional protection only.</i>
WOOD. 17th December 1866.	3318. WILLIAM WOOD, of Birmingham, in the County of Warwick, Machinist, for an invention for—"Improvements in breech-loading fire-arms." <i>Provisional protection only.</i>
BAKER. IMRAY. 17th December 1866.	3319. Lieutenant-Colonel JAMES BAKER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, and JOHN IMRAY, of 190, Westminster Bridge Road, in the County of Surrey, Engineer, for an invention for—"Improvements in cable stoppers." <i>Provisional protection only.</i>
MEIXNER. 17th December 1866.	3320. FREDERICK NICHOLAS MEIXNER, of the City of Manchester, in the County of Lancaster, Engineer, for an invention for—"Improvements in turbines." <i>Letters Patent sealed.</i>

- GRAY.
18th December 1866. 3321. JOHN MCFARLANE GRAY, Engineer for Geo. Forrester and Co., at Vauxhall Foundry, Liverpool, in the County of Lancaster, for an invention for—"Improvements in steering apparatus, referring to a steering telegraph and rudder indicator, and a steam steering engine." *Letters Patent sealed.*
- GEDGE.
18th December 1866. 3322. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for carding wool."—*A communication to him from abroad by Voelckel-Boell, of 15, Passage des Petites Ecuries, Paris, France, Spinner.* *Provisional protection only.*
- CUSACK.
18th December 1866. 3323. JAMES WILLIAM CUSACK, of No. 29, Lancaster Gate, in the County of Middlesex, for an invention for—"Improved means or method for facilitating artillery and rifle practice at long distances on short ranges." *Provisional protection only.*
- SPEIGHT.
18th December 1866. 3324. GEORGE SPEIGHT, of Collingwood Street, City Road, in the County of Middlesex, Patent Collar Manufacturer, for an invention for—"An improvement in certain articles of wearing-apparel, commonly called shirt fronts or dickeys, and chemisette fronts." *Provisional protection only.*
- MACINTOSH.
18th December 1866. 3325. JOHN MACINTOSH, of North Bank, Regent's Park, in the County of Middlesex, for an invention for—"Improvements in breech-loading guns and projectiles." *Letters Patent sealed.*
- SCHAD.
18th December 1866. 3326. LUDWIG SCHAD, of Warrington, in the County of Lancaster, Chemist, for an invention for—"Improvements in treating aniline colors for dyeing and printing." *Letters Patent sealed.*
- LAKE.
18th December 1866. 3327. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved mode of rendering paint uninflam-
mable."—*A communication to him from abroad by Joseph Benhvue Harris, of Germantown, Kentucky, United States of America.* *Letters Patent sealed.*
- LAKE.
18th December 1866. 3328. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"Improvements in nails and in machinery for manufacturing the same."—*A communication to him from abroad by Arlon Man Polsey, of Boston, Massachusetts, United States of America.* *Complete specification; Letters Patent sealed.*
- NEWTON.
18th December 1866. 3329. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"Improvements in machinery for spinning yarn."—*A communication to him from abroad by John Rich, of Worcester, in the State of Massachusetts, United States of America.* *Letters Patent sealed.*
- TITTERINGTON.
18th December 1866. 3330. THOMAS TITTERINGTON, of 30, York Street, Charlton-upon-Medlock, Manchester, for an invention for—"Improvements in apparatus and material for ornamental painting, graining, marbling and such like purposes." *Letters Patent sealed.*
- DAVIES.
19th December 1866. 3331. GEORGE DAVIES, of No. 1, Serle Street, Lincoln's Inn, in the County of Middlesex, and No. 87, St. Vincent Street, in the City of Glasgow, Civil Engineer and Patent Agent, for an invention for—"Improvements in cylindrical printing presses."—*A communication to him from abroad by Louis Théodore Verney, of Paris, France, Printer.* *Letters Patent sealed.*
- BUXTON.
19th December 1866. 3332. SAMUEL BUXTON, of Hunslet, in the County of York, Contractor, for an invention for—"An improved stench trap." *Letters Patent sealed.*
- GOODFELLOW.
19th December 1866. 3333. JACOB GOODFELLOW, of Blackburn, in the County of Lancaster, Engineer, for an invention for—"An improved apparatus for moulding the moulds of wheels, pulleys and circular and segmental works, in green sand without patterns." *Provisional protection only.*
- BODMER.
19th December 1866. 3334. RUDOLPH BODMER, of Newport, in the County of Monmouth, Engineer, for an invention for—"An improved method of securing the nuts of bolts." *Provisional protection only.*
- WILSON.
19th December 1866. 3335. SAMUEL WILSON, of Manchester, Engineer, for an invention for—"An improved fastening for baling bands." *Provisional protection only.*

HENRY. 19th December 1866.	3336. MICHAEL HENRY, of 68, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in centrifugal pumps, and in the joints or junctions of pipes and tubes."— <i>A communication to him from abroad by Louis Coignard, of 33, Boulevard Saint Martin, Paris, France.</i> <i>Letters Patent sealed.</i>
PERRY. PERRY. 19th December 1866.	3337. STEPHEN PERRY, and JOSEPH JOHN PERRY, both of Red Lion Square, in the County of Middlesex, for an invention for—"Improvements in inkstands or vessels used for containing and supplying ink." <i>Letters Patent sealed.</i>
SIMPSON. 19th December 1866.	3338. MICHAEL HODGE SIMPSON, residing at No. 127, Milk Street, Boston, U. S. of America, for an invention for—"Improvements in apparatus for the prevention of sea sickness." <i>Letters Patent sealed.</i>
HAYMAN. 19th December 1866.	3339. FRANZ HAYMAN, Civil Engineer, of the City of Lille, in the Empire of France, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication from Charles Robert Gillon, a person resident at Liège, in the Kingdom of Belgium.</i> <i>Provisional protection only.</i>
SCHOFIELD. 20th December 1866.	3340. THOMAS SCHOFIELD, of Cornbrook, in the City of Manchester, Dyer and Finisher, for an invention for—"Improvements in machinery for raising the pile on fustians and other cotton fabrics." <i>Provisional protection NOT granted.</i>
GILBEY. 20th November 1866.	3341. WALTER GILBEY, of 357, Oxford Street, London, in the County of Middlesex, Wine Merchant, for an invention for—"Improvements in the mode of treating bottle corks, especially for the purpose of obtaining a more distinctive and less easily effaceable mark or brand, and also for rendering the cork less liable to decay and the action of insects." <i>Letters Patent sealed.</i>
FINCH. 20th December 1866.	3342. GERARD BROWN FINCH, of No. 2, New Square, Lincoln's Inn, in the County of Middlesex, Esquire, for an invention for—"An improvement in the feeding apparatus in cotton gins."— <i>A communication to him from abroad by Peter Taylor, of Mehallet-el-Kebira, in Egypt, Merchant.</i> <i>Letters Patent sealed.</i>
CHAPMAN. 20th December 1866.	3343. WILLIAM CHAPMAN, of Kennington Park Road, in the County of Surrey, for an invention for—"Improvements in means or apparatus employed in 'beading' the 'uppers' of boots and shoes and other articles." <i>Letters Patent sealed.</i>
GEDGE. 20th December 1866.	3344. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved locomotive machinery or apparatus working without the aid of steam."— <i>A communication to him from abroad by Auguste Chenille, of 15, Passage des Petites Ecuries, Paris, France.</i> <i>Letters Patent sealed.</i>
GRAHAM. 20th December 1866.	3345. DAVID ALLAN GRAHAM, of the City and County of Perth, North Britain, Engineer, for an invention for—"Improvements in the construction of steam and water traps, and in the floats and valves for the same, also to some extent applicable to other fluid regulating vessels for controlling the flow of the fluids passing through them." <i>Provisional protection only.</i>
WALKER. WALKER. 20th December 1866.	3346. THOMAS WALKER, and THOMAS FERDINAND WALKER, both of Oxford Street, Birmingham, in the County of Warwick, Engineers, for an invention for—"Improvements in apparatus for taking soundings." <i>Letters Patent sealed.</i>
BAKER. 20th December 1866.	3347. WHITMORE BAKER, of Downham Market, in the County of Norfolk, Dentist, for an invention for—"Improvements in means or apparatus for lighting fires, which improvements are also applicable to warming apartments and for other heating purposes." <i>Provisional protection only.</i>
PARRY. 20th December 1866.	3348. SAMUEL PARRY, of 10, Thackeray Street, Liverpool, in the County of Lancaster, Master Mariner, for an invention for—"An improved composition for the coating of the bottoms of ships and other vessels." <i>Letters Patent sealed.</i>
DORSETT. 20th December 1866.	3349. EDWARD DORSETT, of the City of London, for an invention for—"Improved arrangements and apparatus for removing or transferring tar or similar materials from one place or receptacle to another." <i>Provisional protection NOT granted.</i>
BELFIELD. 20th December 1866.	3350. SAMUEL BELFIELD, of Pepper Street, Hyson Green, Nottingham, Draughtsman, for an invention for—"Improvements in the manufacture of elastic and ribbed fabrics." <i>Letters Patent sealed; no specification filed.</i>

BAKER. 20th December 1866.	3351. LIEUTENANT-COLONEL JAMES BAKER, of the Army and Navy Club, Pall Mall, in the County of Middlesex, for an invention for—"Improvements in thermo-electric and magnetic apparatus." <i>Provisional protection only.</i>
WHITBY. 20th December 1866.	3352. TIMOTHY WHITBY, of Wellesley Road, in the County of Middlesex, for an invention for—"Improvements in the construction of vessels of war and other structures requiring to be rendered shot-proof." <i>Letters Patent sealed.</i>
HALL. 20th December 1866.	3353. SAMUEL HALL, of the firm of Robert and Samuel Hall, of London Wall, in the City of London, Hat Manufacturers, for an invention for—"Improvements in the manufacture of 'Gossamer' hat bodies." <i>Letters Patent sealed.</i>
NEWTON. 20th December 1866.	3354. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in effecting the combustion of substances in a pulverulent state."— <i>A communication to him from abroad by Aimé Victor Olivier, of Rue St. Sebastien, Paris, in the Empire of France.</i> <i>Letters Patent sealed.</i>
NEWTON. 20th December 1866.	3355. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved compound for coating ships' bottoms and other surfaces."— <i>A communication to him from abroad Charles James Eames, of the City of New York, in the United States of America.</i> <i>Letters Patent sealed.</i>
MARTIN. 20th December 1866.	3356. RENÉ LOUIS MARTIN, of Saarbruck, in the Kingdom of Prussia, temporarily of 166, Fleet Street, in the City of London, Engineer, for an invention for—"Improvements in breech-loading fire-arms."— <i>A communication to him from abroad by Oscar Oelkers and Frederic Spengler, both of Liege, Belgium.</i> <i>Letters Patent sealed.</i>
LUNGLEY. 20th December 1866.	3357. CHARLES LUNGLEY, of Greenwich, in the County of Kent, Naval Architect and Shipbuilder, for an invention for—"Improvements in war ships, forts, guns and armour, and in fitting and working them." <i>Letters Patent sealed.</i>
HUCKVALE. 20th December 1866.	3358. THOMAS HUCKVALE, of 1, Emerson Terrace, Forest Hill, in the County of Kent, for an invention for—"Improvements in apparatus for cleaning knives." <i>Letters Patent sealed.</i>
NORRINGTON. 20th December 1866.	3359. CHARLES NORRINGTON, of Sussex House, Plymouth, in the County of Devon, for an invention for—"Improvements in the treatment of substances containing phosphate of lime." <i>Letters Patent sealed.</i>
LAKE. 20th December 1866.	3360. WILLIAM ROBERT LAKE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved coupling for railway carriages."— <i>A communication to him from abroad by George Dennis Spooner, John Frederic Fish Hale and Anrel Clement Stiles, all of Rutland, Vermont, United States of America.</i> <i>Letters Patent sealed.</i>
LAKE. 20th December 1866.	3361. WILLIAM ROBERT LAKE, of the "International Patent Office, No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Consulting Engineer, for an invention for—"An improved machine for digging potatoes, also applicable to digging for other purposes."— <i>A communication to him from abroad by William Hodge Burridge, of Cleveland, Ohio, United States of America.</i> <i>Complete specification: Letters Patent sealed.</i>
HALL. HALL. 21st December 1866.	3362. ROBERT HALL, and SAMUEL STANDRING HALL, both of the Hope Foundry, Bury, in the County of Lancaster, Machine Makers, for an invention for—"Improvements in machinery for winding yarn and thread." <i>Provisional protection only.</i>
ANDERSON. 21st December 1866.	3363. JAMES ANDERSON, of Newton, in the County of Ayr, North Britain, for an invention for—"Improvements in arrangements and apparatus for obtaining motive-power." <i>Letters Patent sealed.</i>
HARFIELD. 21st December 1866.	3364. WILLIAM HORATIO HARFIELD, of Royal Exchange Buildings, in the City of London, Engineer, for an invention for—"Improvements in the method of and apparatus for propelling vessels." <i>Provisional protection only.</i>

ROWAN. 21st December 1866.	3365. WILLIAM ROWAN, of the firm of John Rowan and Sons, of Belfast, in the County of Antrim, Engineers, for an invention for—"Improvements in machinery for cleaning and preparing flax, hemp and other fibrous material, and for reducing the same to tow." <i>Letters Patent sealed.</i>
ALLIX. 21st December 1866.	3366. GEORGE ALLIX, of Saint Heliers, Jersey, Shipwright, for an invention for—"Improvements in apparatus for raising and lowering window-blinds, windows, maps and other articles, and retaining them in any required position." <i>Letters Patent sealed.</i>
WEBER. 21st December 1866.	3367. MICHAEL WEBER, of Zürich, in the Republic of Switzerland, but now of 147, Cheapside, in the City of London, Surgical Instrument Maker, for an invention for—"Improved apparatus for setting steel pens." <i>Letters Patent sealed.</i>
HOWARD. 21st December 1866.	3368. JAMES HOWARD, of Bedford, in the County of Bedford, Agricultural Implement Maker, for an invention for—"Improvements in the construction of mowing and reaping machines."— <i>A communication to him from abroad by James Shorkley Marsh, of Lewisburg, in the State of Pennsylvania, United States of America.</i> <i>Letters Patent sealed.</i>
JACOBS. 21st December 1866.	3369. SAMUEL JACOBS, of High Ousegate, York, for an invention for—"An improved process for preparing wood and other materials preparatory to ornamenting or graining the same, and also for finishing materials so prepared when ornamented or grained, and for finishing wood and other materials when painted or grained but not prepared by the said process." <i>Provisional protection only.</i>
BROWNE. 21st December 1866.	3370. BENJAMIN BROWNE, of 49, King William Street, in the City of London, Civil Engineer and Patent Agent, for an invention for—"Improvements in the construction of camp or folding bedsteads."— <i>A communication to him from abroad by Robert Clegg, of 42, Boulevard de Sebastopol, Paris, in the Empire of France.</i> <i>Provisional protection not granted.</i>
CLARK. 21st December 1866.	3371. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in apparatus for producing a draught in furnaces and for purifying the smoke therefrom."— <i>A communication to him from abroad by Claude Moret, Mechanical Engineer, and Felix Raux, Gentleman, both of 29, Boulevard St. Martin, Paris.</i> <i>Complete specification; Letters Patent sealed.</i>
CLARK. 21st December 1866.	3372. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in screw valves."— <i>A communication to him from abroad by John Wilcox, of Thompsonville, in the County of Hartford, and State of Connecticut, United States of America.</i> <i>Letters Patent sealed.</i>
SLOPER. 22nd December 1866.	3373. JOSEPH SLOPER, of Walbrook House, Walbrook, in the City of London, Civil Engineer, for an invention for—"Improved means of and apparatus for obtaining motive-power applicable for driving machinery and for ventilating mines, buildings, ships and other spaces." <i>Provisional protection only.</i>
SHANKS. 22nd December 1866.	3374. ANDREW SHANKS, Engineer, 6, Robert Street, Adelphi, Westminster, for an invention for—"Certain improvements in making metallic hoops." <i>Letters Patent sealed.</i>
NORTHALL. TURNLEY, 22nd December 1866.	3375. FRANCIS NORTHALL, of Rowley Regis, in the County of Stafford, Furnace Manager, and RICHARD TURNLEY, of Withymoor, near Dudley, in the County of Worcester, Furnace Manager, for an invention for—"Improvements in water tuyeres." <i>Provisional protection only.</i>
GOODFELLOW. 22nd December 1866.	3376. HENRY GOODFELLOW, of Madeley, in the County of Stafford, Manager of Works, for an invention for—"Improvements in machinery or apparatus for grinding clay and such like substances." <i>Letters Patent sealed.</i>
AYRE. AYRE. 22nd December 1866.	3377. ALGERNON SYDNEY AYRE, and HORATIO HARRIMAN AYRE, both of 24, High Street, Kingston-upon-Hull, for an invention for—"Improvements in means or apparatus for drying wheat, barley, rice and other grain, which improvements are also applicable to the drying of seeds, coffee and other matters." <i>Letters Patent sealed.</i>

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22nd December 1866
- MITCHELL.
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- WAHAB.
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- CLARK.
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- BENSON.
VON DER POPPEN-
BURG.
22nd December 1866.
- COOPER.
22nd December 1866.
- GEDGE.
22nd December 1866.
- BELTZER.
22nd December 1866.
- DUFRENÉ.
24th December 1866.
- CALVERT.
24th December 1866.
- TOUSSAINT.
24th December 1866.
- RODGERS.
24th December 1866.
- LEWIS.
24th December 1866
- ALLEN.
24th December 1866.
- SCHOONMAKER.
24th December 1866.
3378. JOSEPH RHODES, WILLIAM SUNDERLAND RHODES, and JOSIAH RHODES, of Morley, near Leeds, in the County of York, Machine Makers and Iron-founders, for an invention for—"Improvements in rag grinding machines."—*A communication to them from abroad by Joseph Maison, of Knolheaven, A 335, Dordrecht, Holland.*
Provisional protection only.
3379. SAMUEL MITCHELL, and JOHN MITCHELL, of Cranbourn Street, Leicester Square, in the County of Middlesex, for an invention for—"Improvements in the construction of venetian blinds and in mechanism to be used in connection therewith."
Provisional protection only.
3380. CHARLES JAMES WAHAB, of Valleyfield, North Britain, Civil Engineer, for an invention for—"Improvements in apparatus for filtering or straining liquids, and for washing and wringing cloth, rags and similar textile and fibrous substances."
Provisional protection only.
3381. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in boots and shoes."—*A communication to him from abroad by George Washington Tolhurst, of New York City, in the United States of America.*
Provisional protection only.
3382. JOHN SOLOMONS BENSON, of Birmingham, in the County of Warwick, Merchant, and JOHANN VON DER POPPENBURG, of Birmingham, aforesaid, Mechanical Engineer, for an invention for—"Improvements in breech-loading fire-arms."
Letters Patent sealed.
3383. JOSEPH ROCK COOPER, of Birmingham, in the County of Warwick, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms."
Letters Patent sealed.
3384. WILLIAM EDWARD GEDGE, of the firm of John Gedge and Son, of No. 11, Wellington Street, Strand, in the County of Middlesex, Patent Agent, for an invention for—"Improved apparatus applied to millstones for grinding wheat and other grain."—*A communication to him from abroad by Pierre Baillargeon, of 39, Faubourg St. Martin, Paris, France.*
Letters Patent sealed.
3385. FRANÇOIS BELTZER, of Sotteville-les-Rouen, Department of the Seine-Inférieure, in the Empire of France, for an invention for—"Improved machinery or apparatus for sizing cotton, flax, hemp and other thread or yarn."
Provisional protection only.
3386. HECTOR AUGUSTE DUFRENÉ, of No. 10, Rue de la Fidélité, Paris, in the Empire of France, Civil Engineer, for an invention for—"Certain improvements in the manufacture of the extract of madder."—*A communication from Mr. Jules Pernod, a person resident at No. 1, Rue des Clés-Avignon, in the Empire of France.*
Letters Patent sealed.
3387. FRANCIS ALTON CALVERT, of the City of Manchester, Engineer, for an invention for—"Improvements in machinery for carding and cleaning fibrous substances."
Provisional protection only.
3388. JOSEPH TOUSSAINT, of Barnsbury Road, Islington, in the County of Middlesex, for an invention for—"Improvements in the manufacture of cement."
Provisional protection only.
3389. JOSEPH RODGERS, of Hunslet, near Leeds, in the County of York, for an invention for—"Improvements in the construction of drums, pulleys, 'glazers' and cones."
Letters Patent sealed.
3390. RICHARD LEWIS, of Dublin, Engineer, for an invention for—"Improvements in steam-boilers."
Letters Patent sealed.
3391. EDWIN ALLEN, of Burton-on-Trent, in the County of Stafford, for an invention for—"Improvements in cleansing and purifying casks and other vessels, and in machinery or apparatus employed therein."
Letters Patent sealed.
3392. SYLVESTER FRANKLIN SCHOONMAKER, of New York City, United States of America, now of Euston Square, in the County of Middlesex, Chemist, for an invention for—"An improved coating for paper and other materials designed to receive lead pencil marks, which may be repeatedly expunged with moisture."
Provisional protection only.

ASHTON. 24th December 1866.	3393. ROBERT HOWE ASHTON, of Ashton-on-Mersey, in the County of Chester, Gentleman, for an invention for—"Improvements in producing printing surfaces and carvings from moulds obtained by the aid of photography." <i>Provisional protection only.</i>
VARLEY. VARLEY. 24th December 1866.	3394. CORNELIUS VARLEY, of 337, Kentish Town Road, in the County of Middlesex, and SAMUEL ALFRED VARLEY, of 66, Roman Road, Holloway, in the said County of Middlesex, Telegraph Engineers and Contractors, for an invention for—"Improvements in the means and apparatus for generating electricity." <i>Provisional protection only.</i>
JORDAN. DARLINGTON. 26th December 1866.	3395. THOMAS BROWN JORDAN, of South Lambeth, in the County of Surrey, Mechanical Engineer, and JOHN DARLINGTON, of Moorgate Street Chambers, in the City of London, Mining Engineer, for an invention for—"Improvements in machinery for applying hydraulic power to mining and other purposes." <i>Letters Patent sealed.</i>
MACKIE. 26th December 1866.	3396. ALEXANDER MACKIE, of Warrington, in the County of Lancaster, Newspaper Proprietor, for an invention for—"Certain improvements in apparatus for distributing type, and in apparatus for preparing type for distribution." <i>Letters Patent sealed.</i>
FLETCHER. CARR. 26th December 1866.	3397. JAMES FLETCHER, and WILLIAM CARR, both of Blackburn, in the County of Lancaster, Machinists, for an invention for—"Improvements in or applicable to machines for sizing yarns or threads preparatory to weaving, part of which improvements are applicable to other purposes." <i>Provisional protection only.</i>
SHAW. 27th December 1866.	3398. HANNAH WHITE SHAW, of Dublin, 83, Leinster Road, Rathmines, for an invention for—"Improvements in ladies' wearing-apparel." <i>Provisional protection only.</i>
BROOKES. MAYES. 27th December 1866.	3399. WILLIAM BROOKES, of Loughborough, in the County of Leicester, Overlooker of Picking-in Machines, and JOHN MAYES, of Loughborough, aforesaid, Manufacturer of Hosiery, for an invention for—"Improvements in the manufacture or production of needles" <i>Letters Patent sealed.</i>
SHAW. APPLEYARD. 27th December 1866.	3400. BENTLEY SHAW, of the firm of Bentley and Shaw, of Lockwood, near Huddersfield, in the County of York, Brewers and Wine and Spirit Merchants, and JOHN APPLEYARD, of the same place, Carpenter, for an invention for—"An improved safety bottle case." <i>Letters Patent sealed.</i>
BRADBURN. 28th December 1866.	3401. WILLIAM BRADBURN, of Wednesfield, Wolverhampton, in the County of Stafford, Artificial Manure Manufacturer, for an invention for—"Improvements in treating excrementitious matters, and other refuse matters, for the purpose of obtaining valuable products therefrom, and in apparatus to be employed for that purpose." <i>Letters Patent sealed.</i>
FRANZEN. 28th December 1866.	3402. NICOLAI CHRISTIAN FRANZEN, of Hamburg, for an invention for—"A steering indicator or a machine or apparatus for indicating to the eye by day or night the position and movement of the rudders of vessels." <i>Letters Patent sealed.</i>
ABEL. 28th December 1866.	3403. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"New or improved means for the prevention of rot in potatoes and grapes, and the similar blight in trees, fruits, vegetables, insects and animals."— <i>A communication to him from abroad by John Francis Bennett, of Pittsburgh, in the State of Pennsylvania, United States of America.</i> <i>Provisional protection only.</i>
WALKER. WALKER. 28th December 1866.	3404. THOMAS WALKER, and THOMAS FERDINAND WALKER, both of Oxford Street, Birmingham, in the County of Warwick, Engineers, for an invention for—"Improvements in apparatus connected with steam-boilers, for regulating the evaporating power thereof and to obtain greater safety in their use." <i>Provisional protection only.</i>
CLARK. 28th December 1866.	3405. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in valves."— <i>A communication to him from abroad by Samuel Joseph Peet, of New York City, in the United States of America.</i> <i>Letters Patent sealed.</i>
MAKINSON. 28th December 1866.	3406. ALEXANDER WOODLANDS MAKINSON, of No. 22, Abingdon Street, Westminster, Civil Engineer, for an invention for—"Improvements in locomotive and marine engines." <i>Letters Patent sealed.</i>

- STOREY.
28th December 1866. 3407. EDWARD STOREY, of the Town and County of Lancaster, Manufacturer, for an invention for—"Improvements in or applicable to marine, locomotive, stationary and other steam-boilers." *Provisional protection only.*
- NEWTON.
28th December 1866. 3408. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved drying apparatus."—*A communication to him from abroad by Gilbert Daniel Jones, of the City and State of New York, in the United States of America.* *Letters Patent sealed.*
- CUTLER.
BROWN.
28th December 1866. 3409. WILLIAM HENRY CUTLER, of Eton, in the County of Bucks, Civil Engineer, and THOMAS BROWN, of Grove Villas, Victoria Park, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in cocks for stopping and regulating the flow of steam, water and other fluids." *Provisional protection only.*
- WATKINS.
28th December 1866. 3410. FRANCIS WATKINS, of the London Works, Birmingham, in the County of Warwick, for an invention for—"Improvements in machinery for cutting, punching and shaping metals for screw nuts and like articles." *Letters Patent sealed.*
- CONDY.
28th December 1866. 3411. HENRY BOLLMANN CONDY, of Battersea, Manufacturing Chemist, for an invention for—"Improvements in the manufacture of chlorine, and in preparations for evolving chlorine for disinfecting and other purposes." *Provisional protection only.*
- WATKINS.
28th December 1866. 3412. FRANCIS WATKINS, of the London Works, Birmingham, in the County of Warwick, for an invention for—"Improvements in machinery for shaping and forging metals into rivets, bolts, screw blanks and like articles." *Letters Patent sealed.*
- THOMSON.
28th December 1866. 3413. WILLIAM THOMSON, of the Railway Foundry and Ironworks, Normanton, in the County of York, for an invention for—"Improvements in apparatus for actuating the points or switches of railways." *Provisional protection only.*
- GÖRANSSON.
28th December 1866. 3414. ERNST FREDRIK GÖRANSSON, of Gefle, near Sandviken, Sweden, for an invention for—"Improvements in casting rings suitable for making tyres of railway wheels and for other purposes." *Letters Patent sealed.*
- BROWN.
29th December 1866. 3415. JOHN ERSKINE BROWN, of Glasgow, in the County of Lanark, North Britain, Engineer, for an invention for—"Improvements in the holding, distending and otherwise treating or finishing woven and other web fabrics, and in the means or apparatus employed therefor." *Letters Patent sealed.*
- SMITH.
JACKSON.
29th December 1866. 3416. SAMUEL SMITH, and JOHN WILLIAM JACKSON, both of Keighley, in the County of York, for an invention for—"Certain improvements in 'governors' or regulators for steam or other motive-power engines." *Letters Patent sealed.*
- SMITH.
29th December 1866. 3417. WILLIAM SMITH, of Barnard Castle, in the County of Durham, Machinist, for an invention for—"An improved street sweeper." *Complete specification; Letters Patent sealed.*
- NEWTON.
29th December 1866. 3418. ALFRED VINCENT NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Mechanical Draughtsman, for an invention for—"An improved safety attachment to carriages."—*A communication to him from abroad by Claude Ducruz, of the City and State of New York, United States of America.* *Letters Patent sealed.*
- CHAMBERLAIN.
29th December 1866. 3419. HUMPHREY CHAMBERLAIN, of Wakefield, in the County of York, Engineer, for an invention for—"Improvements in the manufacture of coke and charcoal, and in the ovens employed therein." *Provisional protection only.*
- ADAMS.
29th December 1866. 3420. ARTHUR JOHN ADAMS, of Devonport, in the County of Devon, Naval Outfitter, for an invention for—"Improvements in locks and latches." *Provisional protection only.*
- SIMONS.
BROWN.
29th December 1866. 3421. WILLIAM SIMONS, and ANDREW BROWN, both of the Town and County of Renfrew, North Britain, Engineers and Shipbuilders, for an invention for—"Improvements in the arrangement and construction of dredgers." *Letters Patent sealed.*

SLATTER. 29th December 1866.	3422. JOSEPH SLATTER, of Saint Ives, in the County of Huntingdon, Ironmonger, for an invention for—"An improved screen or sifter for screening cinders, corn, tea, sugar, gravel, malt and other granular substances." <i>Provisional protection only.</i>
BERREY. 29th December 1866.	3423. WILLIAM BROUGH BERREY, of Liverpool, in the County of Lancaster, Merchant, for an invention for—"An improved composition for cleaning glass and other smooth and bright surfaces." <i>Provisional protection only.</i>
HARRISON. 29th December 1866.	3424. CHARLES HARRISON, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in cocks or valves." <i>Letters Patent sealed.</i>
MANCEAUX. 29th December 1866.	3425. FRANÇOIS JULES MANCEAUX, of Paris, in the Empire of France, Gun Manufacturer, for an invention for—"Improvements in breech-loading fire-arms and in cartridges for the same." <i>Provisional protection only.</i>
WILBY. 29th December 1866.	3426. WILLIAM WILBY, of the City and County of Dublin, in Ireland, Leather Belt Manufacturer, for an invention for—"Improvements in the manufacture of straps or belts for driving machinery, and in a new or improved construction of joint or coupling for the ends of such and other like belts." <i>Letters Patent sealed.</i>
SAMPSON. 29th December 1866.	3427. EDWARD BARNARD SAMPSON, of Thrupp Lodge, near Stroud, in the County of Gloucester, Manufacturer, for an invention for—"Improvements in saucepans, kettles and other vessels for culinary purposes." <i>Letters Patent sealed.</i>
LEONARDT. 29th December 1866.	3428. FRIEDRICH LEONARDT, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in the manufacture of metallic boxes." <i>Letters Patent sealed.</i>
HASELTINE. 29th December 1866.	3429. GEORGE HASELTINE, of the "International Patent Office," No. 8, Southampton Buildings, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in fastenings for pocket books, diaries, memorandum books and other similar articles."— <i>A communication to him from abroad by John Frederic Dubber and Carlos Bardwell, both of Brooklyn, New York, United States of America.</i> <i>Letters Patent sealed.</i>
ELY. 29th December 1866.	3430. ALFRED BREWSTER ELY, of Newton, in the County of Middlesex, and State of Massachusetts, United States of America, for an invention for—"Improvements in nautical logs."— <i>A communication from Truman Hotchkiss, a person resident at Stratford, Connecticut, United States of America.</i> <i>Complete specification; Letters Patent sealed.</i>
SLEIGH. 29th December 1866.	3431. BURROWES WILLCOCKS ARTHUR SLEIGH, of Langham Place, Portland Place, in the County of Middlesex, a retired Lieutenant-Colonel in Her Majesty's Colonial Service, and formerly of the 77th Regiment of Foot, for an invention for—"Improvements in hydrostatic rotatory motive-power engines." <i>Provisional protection only.</i>
PAYNE. 29th December 1866.	3432. GEORGE PAYNE, of the Belmont Works, Battersea, in the County of Surrey, Chemist, for an invention for—"Improvements in the manufacture of soap." <i>Letters Patent sealed.</i>
NAPIER. 29th December 1866.	3433. JOHNSTONE NAPIER, of Salisbury, in the County of Wilts, Civil Engineer, for an invention for—"Improvements in the preparation of food, of a substance to be employed in place of malt, and for the medication of food for animals." <i>Letters Patent sealed.</i>
CLARK. 29th December 1866.	3434. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in fixing rails to the sleepers or permanent way of railways."— <i>A communication to him from abroad by Jules Vautherin, Iron Master, of 29, Boulevard St. Martin, Paris.</i> <i>Letters Patent sealed.</i>
SHERIDAN. 29th December 1866.	3435. CHARLES SHERIDAN, of Antwerp, but now residing in the Strand, in the County of Middlesex, for an invention for—"A new or improved process for the manufacture of oakum." <i>Letters Patent sealed.</i>

EXALL. 31st December 1866.	3436. WILLIAM EXALL, of Reading, in the County of Berks, Civil Engineer, for an invention for—"Improvements in machinery for cutting grass, corn and similar agricultural produce, and for gathering and binding the same into sheaves." <i>Letters Patent sealed.</i>
COULDERY. 31st December 1866.	3437. THOMAS WILLIAM COULDERY, of Old Kent Road, in the County of Surrey, Tailor, for an invention for—"Improvements in the manufacture of trowsers." <i>Letters Patent sealed.</i>
SHREWSBURY. 31st December 1866.	3438. GEORGE SHREWSBURY, of Lower Norwood, in the County of Surrey, Ironmonger, for an invention for—"An improved apparatus for heating apartments, conservatories and baths." <i>Letters Patent sealed.</i>
LOEDER. 31st December 1866.	3439. WILLIAM LOEDER, of New Broad Street, in the City of London, Merchant, for an invention for—"Improvements in rails and in part of the permanent way of railways."— <i>A communication to him from abroad by Gabriel Dümmler, of Namur, Belgium, Engineer.</i> <i>Provisional protection only.</i>
PLUM. 31st December 1866.	3440. THOMAS WILLIAM PLUM, of 54, Threadneedle Street, London, for an invention for—"Improvements in apparatus for taking off liquids from casks and other vessels and similar purposes." <i>Letters Patent sealed.</i>
ALLMAN. 31st December 1866.	3441. HERBERT ALLMAN, of 10, Amptill Square, London, in the County of Middlesex, Civil Engineer, for an invention for—"Certain improvements in the construction of locks and keys." <i>Provisional protection only.</i>
HENRY. 31st December 1866.	3442. ALEXANDER HENRY, of Edinburgh, in the County of Midlothian, North Britain, for an invention for—"Improvements in fire-arms." <i>Letters Patent sealed.</i>
JOHNSON. 31st December 1866.	3443. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, Gentleman, for an invention for—"Improved means of and apparatus for advertising."— <i>A communication to him from abroad by Justin Dubreuil and Camille Barnard, of Paris, in the Empire of France.</i> <i>Provisional protection only.</i>
ABEL. 31st December 1866.	3444. CHARLES DENTON ABEL, of No. 20, Southampton Buildings, Chancery Lane, in the County of Middlesex, Patent Agent, for an invention for—"Improvements in machinery or apparatus for rippling or seeding flax."— <i>A communication to him from abroad by Baron Woldemar Von Loewis, of Menar of Panten, near Riga, in the Empire of Russia.</i> <i>Provisional protection only.</i>
GOTTHEIMER. 31st December 1866.	3445. HENRY GOTTHEIMER, of 32, St. John's Road, Hoxton, in the Parish of Shoreditch, in the County of Middlesex, for an invention for—"Improvements in furlined over boots and over shoes, the object of the invention being to keep the feet of the wearer warm whilst riding or walking or sitting." <i>Provisional protection NOT granted.</i>
GRIFFIN. 31st December 1866.	3446. JAMES THEODORE GRIFFIN, of Fleet Street, in the City of London, Gentleman, for an invention for—"Improvements in calendar movements for clocks."— <i>A communication to him from abroad by Henry Horton, of Ithaca, in the United States of America.</i> <i>Letters Patent sealed.</i>
POCOCK. 31st December 1866.	3447. GEORGE PEARCE POCOCK, of Camberwell, in the County of Surrey, Gentleman, for an invention for—"Improvements in breech-loading fire-arms." <i>Letters Patent sealed.</i>
CLARK. 31st December 1866.	3448. WILLIAM CLARK, of 53, Chancery Lane, in the County of Middlesex, Engineer and Patent Agent, for an invention for—"Improvements in the manufacture of hydrogen gas and in apparatus for the same, also in the application of the said gas for lighting and heating, and as a motive-power."— <i>A communication to him from abroad by Alexandre Paul Victor Heurtebise, Engineer, of 29, Boulevard St. Martin, Paris.</i> <i>Provisional protection only.</i>
FLACH. 31st December 1866.	3449. CLEMENS FLEMMING FLACH, of Call (Eifel), in the Kingdom of Prussia, for an invention for—"Improvements in extracting silver from lead." <i>Letters Patent sealed.</i>
SPEYSER. 31st December 1866.	3450. LOUIS GONZAGUE SPEYSER, of No. 6, Haydon Square, Minories, in the City of London, for an invention for—"Improvements in mixing apparatus for mixing mortar and similar materials." <i>Provisional protection only.</i>

MILLER. MILLER. 31st December 1866.	3451. JAMES MILLER, and JAMES MILLER, junior, of No. 5, Park Road North, Bow, in the County of Middlesex, for an invention for—"Improvements in the manufacture of elastic gussets." <i>Letters Patent sealed.</i>
BOUSFIELD. 31st December 1866.	3452. GEORGE TOMLINSON BOUSFIELD, of Loughborough Park, Brixton, in the County of Surrey, for an invention for—"Improvements in the method of effecting the cut-off in steam-engines, and also in the regulator for controlling the speed of steam-engines." <i>—A communication to him from abroad by George Herman Babcock and Stephen Wilcox, junior, persons resident at the City and County of Providence, in the State of Rhode Island, United States of America.</i> <i>Complete specification ; Letters Patent sealed.</i>
WARREN. 31st December 1866.	3453. FREDERIC PELHAM WARREN, of East Court, Cosham, in the County of Hants, Commander in the Royal Navy, for an invention for—"Improvements in cooking apparatus, parts of which improvements are applicable also to other purposes." <i>Letters Patent sealed.</i>

LONDON:
Printed by GEORGE E. EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.





